

195 200 205
 Ala Ser Ile Gly Ala Thr Ser Ser Lys Glu Thr Leu Asp Ile Leu Tyr
 210 215 220
 Ala Arg Gln Lys Ile Val Val Ile Ala Lys Ala Phe Gly Leu Gln Ala
 225 230 235 240
 Val Asp Leu Val Tyr Ile Asp Phe Arg Asp Gly Ala Gly Leu Leu Arg
 245 250 255
 Gln Ser Arg Glu Gly Ala Ala Met Gly Phe Thr Gly Lys Gln Val Ile
 260 265 270
 His Pro Asn Gln Ile Ala Val Val Gln Glu Gln Phe Ser Pro Ser Pro
 275 280 285
 Glu Lys Ile Lys Trp Ala Glu Glu Leu Ile Ala Ala Phe Lys Glu His
 290 295 300
 Gln Gln Leu Gly Lys Gly Ala Phe Thr Phe Gln Gly Ser Met Ile Asp
 305 310 315 320
 Met Pro Leu Leu Lys Gln Ala Gln Asn Thr Val Thr Leu Ala Thr Ser
 325 330 335
 Ile Lys Glu Lys
 340

<210> 708
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 708
 Met Val Arg His Ile Arg Glu Arg Arg Arg Gln Pro Leu Ala Phe Gln
 1 5 10 15
 Arg Val Leu Leu Ser Leu Cys Leu Leu Glu Gly Ile Trp His Ser Pro
 20 25 30
 Ala Ala Ala Ala Gly Gly Gly Ser His Cys Ser Ser Trp Pro Ser Leu
 35 40 45
 Tyr Thr Thr Phe Gln Arg Val Ser Leu Leu Glu Leu Asp Leu Gly Leu
 50 55 60

<210> 709
 <211> 44
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (16)

<223> Xaa equals any of the naturally occurring amino acids

<400> 709

Met Cys Leu Pro Leu Leu His Cys Thr Gly Ala Leu Trp Gly Lys Xaa
1 5 10 15

Val Leu Leu Phe Leu Tyr Cys Leu Ala Gln Ser Phe Ala Tyr Ser Arg
20 25 30

His Gln Thr Val Gly Leu Val Val His Asp Tyr Trp
35 40

<210> 710

<211> 20

<212> PRT

<213> Homo sapiens

<400> 710

Met Ala Cys Cys Asn Pro Tyr Lys Tyr Tyr Phe Tyr Leu Ser Cys Ser
1 5 10 15

Val Cys Phe Leu
20

<210> 711

<211> 88

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (71)

<223> Xaa equals any of the naturally occurring amino acids

<400> 711

Met Ser Gly Ser Ser Leu Pro Arg Ala Leu Ala Leu Ser Leu Leu Leu
1 5 10 15

Val Ser Gly Ser Leu Leu Pro Gly Pro Gly Ala Ala Gln Asn Val Lys
20 25 30

Ser Thr Ile Trp Thr Gly Ser Glu Val Glu Asn Glu Val Val Lys Arg
35 40 45

Lys Gly Lys Asp Arg Arg Lys Ala Ala Val Val Gln Gly Glu Lys Gln
50 55 60

Asp Ala Arg Leu Lys Glu Xaa Asn Leu Cys Leu Arg Ser Ile Pro Glu

65		70		75		80
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Asn Tyr Lys Leu Phe Arg Lys Gly
85

<210> 712
 <211> 221
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (184)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 712
 Met Ala Gly Gly Val Arg Pro Leu Arg Gly Leu Arg Ala Leu Cys Arg
 1 5 10 15
 Val Leu Leu Phe Leu Ser Gln Phe Cys Ile Leu Ser Gly Gly Glu Ser
 20 25 30
 Thr Glu Ile Pro Pro Tyr Val Met Lys Cys Pro Ser Asn Gly Leu Cys
 35 40 45
 Ser Arg Leu Pro Ala Asp Cys Ile Asp Cys Thr Thr Asn Phe Ser Cys
 50 55 60
 Thr Tyr Gly Lys Pro Val Thr Phe Asp Cys Ala Val Lys Pro Ser Val
 65 70 75 80
 Thr Cys Val Asp Gln Asp Phe Lys Ser Gln Lys Asn Phe Ile Ile Asn
 85 90 95
 Met Thr Cys Arg Phe Cys Trp Gln Leu Pro Glu Thr Asp Tyr Glu Cys
 100 105 110
 Thr Asn Ser Thr Ser Cys Met Thr Val Ser Cys Pro Arg Gln Arg Tyr
 115 120 125
 Pro Ala Asn Cys Thr Val Arg Asp His Val His Cys Leu Gly Asn Arg
 130 135 140
 Thr Phe Pro Lys Met Leu Tyr Cys Asn Trp Thr Gly Gly Tyr Lys Trp
 145 150 155 160
 Ser Thr Ala Leu Ala Leu Ser Ile Thr Leu Gly Gly Phe Gly Ala Asp
 165 170 175
 Arg Phe Tyr Leu Gly Gln Trp Xaa Glu Gly Leu Gly Lys Leu Phe Ser
 180 185 190
 Phe Gly Gly Leu Gly Ile Trp Thr Leu Ile Asp Val Leu Leu Ile Gly
 195 200 205

Val Gly Tyr Val Gly Pro Ala Asp Gly Ser Leu Tyr Ile
 210 215 220

<210> 713
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 713
 Met Trp Leu Thr Gln Pro Glu Ser Leu Ser Leu Cys Val Ser Val Ser
 1 5 10 15
 Gln Asp Trp Ala His Ile Leu Ala Leu Ser Ile Thr Met Leu Trp Asp
 20 25 30
 Phe Arg Glu Phe Pro His Leu
 35

<210> 714
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 714
 Met Glu Asn Val Cys Gln Ala Gly Phe Pro Ser Leu Leu His Leu Asn
 1 5 10 15
 Ile Thr Leu Thr Leu Leu Gly Leu Ala Gln Cys Tyr Leu Ala Asn Phe
 20 25 30
 Ser Ser Cys Arg Glu Gly Ser Glu His Tyr Leu Phe Phe Phe Phe
 35 40 45
 Leu Leu Glu Pro Gly Leu His Lys Ala Met Ala Lys Phe Ser
 50 55 60

<210> 715
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 715
 Met Val Ser Pro Leu Ile Ser Ala Leu Phe His Val Pro Phe Leu Trp
 1 5 10 15
 Leu Gly Met Phe Phe Pro His Ser Leu Ser Gly Pro Phe Pro Ser His
 20 25 30
 Leu Arg Arg Ala Ser Ser Ser Arg Lys Pro Leu Val Lys Pro Pro Arg
 35 40 45

Ala Arg Gln Tyr Pro Pro Leu Ala Ser Ser Gly Tyr Arg Gly Arg Ile
 50 55 60

<210> 716
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 716
 Met Lys Asn Ser Thr Ser Leu Leu Tyr Lys Leu Phe Ser Ser Leu Ser
 1 5 10 15
 Val Phe Ile Phe Lys Phe Leu Leu Leu Phe Tyr Thr Leu His Ile Ala
 20 25 30
 Leu Gly Val Lys Ile Gln Tyr Lys Pro Leu Ala His Phe Ile Asp His
 35 40 45
 Ser Cys Ile Gln Gln Val Ser Gln Val Gln Trp Ser Ile Pro
 50 55 60

<210> 717
 <211> 92
 <212> PRT
 <213> Homo sapiens

<400> 717
 Met Ala Ala Gly Pro Ser Gly Cys Leu Val Pro Ala Phe Gly Leu Arg
 1 5 10 15
 Leu Leu Leu Ala Thr Val Leu Gln Ala Val Ser Ala Phe Gly Ala Glu
 20 25 30
 Phe Ser Ser Glu Ala Cys Arg Glu Leu Gly Phe Ser Ser Asn Leu Leu
 35 40 45
 Cys Ser Ser Cys Asp Leu Leu Gly Gln Phe Asn Leu Leu Gln Leu Asp
 50 55 60
 Pro Asp Cys Arg Gly Cys Cys Gln Glu Glu Ala Gln Phe Glu Thr Lys
 65 70 75 80
 Lys Leu Tyr Ala Gly Ala Ile Leu Glu Val Cys Gly
 85 90

<210> 718
 <211> 45
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring amino acids

<400> 718

Met Ser Asp Lys Leu Ser Pro Ser Thr Val Pro Leu Leu Leu Pro Val
1 5 10 15
Leu Phe Lys Val Thr Ile Leu Leu Gln Arg Val Cys Pro Glu Asp Ser
20 25 30
Pro Ser Ser Ser Val Leu Pro Glu Ser Va Xaa Arg Glu
35 40 45

<210> 719

<211> 103

<212> PRT

<213> Homo sapiens

<400> 719

Met Ala Phe Leu Leu Glu Arg Ser Gly Thr Leu Leu Ile Cys Ser Met
1 5 10 15
Trp Trp His His Gly Tyr Ser Asn Ile Thr Gly Thr Glu Gly Glu Arg
20 25 30
Arg Asn Leu Lys Arg Asn Lys Thr Asn Phe Arg Arg Phe Gln Asp Gly
35 40 45
Arg Ile Gly Thr Ala Pro Val Tyr Ser Ser Gln Cys Glu Arg Cys Arg
50 55 60
Arg Trp Val Ile Ser Ala Phe Pro Thr Glu Gln Thr Ala His Gln Lys
65 70 75 80
Ile Ile Ser His Ala Trp Leu Gly Gly Ser His Ala His Gly Ala Ser
85 90 95
Leu Ile Ala Ser Thr Ala Val
100

<210> 720

<211> 73

<212> PRT

<213> Homo sapiens

<400> 720

Met His Ala Tyr Ala Cys Val Cys Ala Cys Met Leu Val Cys Val Cys
1 5 10 15

Val Cys Val Cys Arg Ala Leu Val Ile Pro Thr Glu Gln Arg His Arg
20 25 30
Arg Val Ala His Gly Arg Thr Ser Asp Ser Thr Leu Pro Cys Thr Val
35 40 45
Lys Ile Trp Pro Ser Glu Arg Gly Asp Gly Arg Gly Glu Arg Gly Glu
50 55 60
Arg Arg Arg Gly Thr Asp Trp Arg Gly
65 70

<210> 721

<211> 221

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring amino acids

<400> 721

Met Ala Leu Ala Leu Ala Ala Leu Ala Ala Val Glu Pro Ala Cys Gly
1 5 10 15
Ser Arg Tyr Gln Gln Leu Gln Asn Glu Glu Glu Ser Gly Glu Pro Glu
20 25 30
Gln Ala Ala Gly Asp Ala Pro Pro Pro Tyr Ser Ser Ile Ser Ala Glu
35 40 45
Ser Ala Xaa Tyr Phe Asp Tyr Lys Asp Glu Ser Gly Phe Pro Lys Pro
50 55 60
Pro Ser Tyr Asn Val Ala Thr Thr Leu Pro Ser Tyr Asp Glu Ala Glu
65 70 75 80
Arg Thr Lys Ala Glu Ala Thr Ile Pro Leu Val Pro Gly Arg Asp Glu
85 90 95
Asp Phe Val Gly Arg Asp Asp Phe Asp Asp Ala Asp Gln Leu Arg Ile
100 105 110
Gly Asn Asp Gly Ile Phe Met Leu Thr Phe Phe Met Ala Phe Leu Phe
115 120 125
Asn Trp Ile Gly Phe Phe Leu Ser Phe Cys Leu Thr Thr Ser Ala Ala
130 135 140
Gly Arg Tyr Gly Ala Ile Ser Gly Phe Gly Leu Ser Leu Ile Lys Trp
145 150 155 160
Ile Leu Ile Val Arg Phe Ser Thr Tyr Phe Pro Gly Tyr Phe Asp Gly
165 170 175

Gln Tyr Trp Leu Trp Trp Val Phe Leu Val Leu Gly Phe Leu Leu Phe
180 185 190

Leu Arg Gly Phe Ile Asn Tyr Ala Lys Val Arg Lys Met Pro Glu Thr
195 200 205

Phe Ser Asn Leu Pro Arg Thr Arg Val Leu Phe Ile Tyr
210 215 220

<210> 722
<211> 139
<212> PRT
<213> Homo sapiens

<400> 722
Met Ala Leu Gly Ile Gln Lys Arg Phe Ser Pro Glu Val Leu Gly Leu
1 5 10 15

Cys Ala Ser Thr Ala Leu Val Trp Val Val Met Glu Val Leu Ala Leu
20 25 30

Leu Leu Gly Leu Tyr Leu Ala Thr Val Arg Ser Asp Leu Ser Thr Phe
35 40 45

His Leu Leu Ala Tyr Ser Gly Tyr Lys Tyr Val Gly Met Ile Leu Ser
50 55 60

Val Leu Thr Gly Leu Leu Phe Gly Ser Asp Gly Tyr Tyr Val Ala Leu
65 70 75 80

Ala Trp Thr Ser Ser Ala Leu Met Tyr Phe Ile Val Arg Ser Leu Arg
85 90 95

Thr Ala Ala Leu Gly Pro Asp Ser Met Gly Gly Pro Val Pro Arg Gln
100 105 110

Arg Leu Gln Leu Tyr Leu Thr Leu Gly Ala Ala Ala Phe Gln Pro Leu
115 120 125

Ile Ile Tyr Trp Leu Thr Phe His Leu Val Arg
130 135

<210> 723
<211> 42
<212> PRT
<213> Homo sapiens

<400> 723
Met Arg Lys Glu Glu Gly Ile Ala His Leu Ser Ile Ala Phe Phe Val
1 5 10 15

Gln Val Leu Cys Leu Tyr Gln Leu Leu Pro Val Ile Leu Pro Gln Phe

	20		25		30
Asn	Leu	Gly	Ser	Gly	Lys
	35			40	Asn
					Arg

<210> 724
 <211> 121
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (32)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (87)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (101)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (115)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 724
 Met Cys Ser His Ser Thr Leu Ile His Leu Tyr Leu Val Leu Pro Phe
 1 5 10 15
 Phe Phe Leu Phe Leu Pro Ser Ser Phe Pro Phe Pro Ser Xaa Ser Xaa
 20 25 30
 Ser Ser Ile Leu Pro Ser Leu Arg Leu Pro Pro Phe Phe Pro Pro Ser
 35 40 45
 Leu Phe Leu His Ser Ser Leu Pro Pro Ser Leu Ser His Pro Leu Gly
 50 55 60
 Leu Ser Ile Thr Ser Ser Arg Gln Ser Phe Leu Asp Tyr His His Leu
 65 70 75 80
 Cys Thr Lys His Leu Ser Xaa Thr Leu Cys Gly Leu Ile Tyr His Cys
 85 90 95
 Leu Asn Ile Phe Xaa Thr Arg Ala Val Met Trp His Met Gln Val Ser

100 105 110
 Phe Leu Xaa Ile His Trp Leu Leu Pro
 115 120

 <210> 725
 <211> 490
 <212> PRT
 <213> Homo sapiens

 <400> 725
 Met Arg Pro Ala Phe Ala Leu Cys Leu Leu Trp Gln Ala Leu Trp Pro
 1 5 10 15
 Gly Pro Gly Gly Gly Glu His Pro Thr Ala Asp Arg Ala Gly Cys Ser
 20 25 30
 Ala Ser Gly Ala Cys Tyr Ser Leu His His Ala Thr Met Lys Arg Gln
 35 40 45
 Ala Ala Glu Glu Ala Cys Ile Leu Arg Gly Gly Ala Leu Ser Thr Val
 50 55 60
 Arg Ala Gly Ala Glu Leu Arg Ala Val Leu Ala Leu Leu Arg Ala Gly
 65 70 75 80
 Pro Gly Pro Gly Gly Gly Ser Lys Asp Leu Leu Phe Trp Val Ala Leu
 85 90 95
 Glu Arg Arg Arg Ser His Cys Thr Leu Glu Asn Glu Pro Leu Arg Gly
 100 105 110
 Phe Ser Trp Leu Ser Ser Asp Pro Gly Gly Leu Glu Ser Asp Thr Leu
 115 120 125
 Gln Trp Val Glu Glu Pro Gln Arg Ser Cys Thr Ala Arg Arg Cys Ala
 130 135 140
 Val Leu Gln Ala Thr Gly Gly Val Glu Pro Ala Gly Trp Lys Glu Met
 145 150 155 160
 Arg Cys His Leu Arg Ala Asn Gly Tyr Leu Cys Lys Tyr Gln Phe Glu
 165 170 175
 Val Leu Cys Pro Ala Pro Arg Pro Gly Ala Ala Ser Asn Leu Ser Tyr
 180 185 190
 Arg Ala Pro Phe Gln Leu His Ser Ala Ala Leu Asp Phe Ser Pro Pro
 195 200 205
 Gly Thr Glu Val Ser Ala Leu Cys Arg Gly Gln Leu Pro Ile Ser Val
 210 215 220
 Thr Cys Ile Ala Asp Glu Ile Gly Ala Arg Trp Asp Lys Leu Ser Gly
 225 230 235 240

Asp Val Leu Cys Pro Cys Pro Gly Arg Tyr Bu Arg Ala Gly Lys Cys
 245 250 255
 Ala Glu Leu Pro Asn Cys Leu Asp Asp Leu Gly Gly Phe Ala Cys Glu
 260 265 270
 Cys Ala Thr Gly Phe Glu Leu Gly Lys Asp Gly Ag Ser Cys Val Thr
 275 280 285
 Ser Gly Glu Gly Gln Pro Thr Leu Gly Gly Thr Gly Val Pro Thr Arg
 290 295 300
 Arg Pro Pro Ala Thr Ala Thr Ser Pro Val Pro Gln Arg Thr Trp Pro
 305 310 315 320
 Ile Arg Val Asp Glu Lys Leu Gly Glu Thr Pro Leu Val Pro Glu Gln
 325 330 335
 Asp Asn Ser Val Thr Ser Ile Pro Glu Ile Pro Arg Trp Gly Ser Gln
 340 345 350
 Ser Thr Met Ser Thr Leu Gln Met Ser Leu Gln Ala Glu Ser Lys Ala
 355 360 365
 Thr Ile Thr Pro Ser Gly Ser Val Ile Ser Lys Phe Asn Ser Thr Thr
 370 375 380
 Ser Ser Ala Thr Pro Gln Ala Phe Asp Ser Ser Ser Ala Val Val Phe
 385 390 395 400
 Ile Phe Val Ser Thr Ala Val Val Val Leu Val Ile Leu Thr Met Thr
 405 410 415
 Val Leu Gly Leu Val Lys Leu Cys Phe His Glu Ser Pro Ser Ser Gln
 420 425 430
 Pro Arg Lys Glu Ser Met Gly Pro Pro Gly Leu Glu Ser Asp Pro Glu
 435 440 445
 Pro Ala Ala Leu Gly Ser Ser Ser Ala His Cys Thr Asn Asn Gly Val
 450 455 460
 Lys Val Gly Asp Cys Asp Leu Arg Asp Arg Ala Glu Gly Ala Leu Leu
 465 470 475 480
 Ala Glu Ser Pro Leu Gly Ser Ser Asp Ala
 485 490

<210> 726

<211> 105

<212> PRT

<213> Homo sapiens

<400> 726

Met Thr His Arg Arg His Cys Gly Leu Ala Arg Trp Ile Leu Met Lys
 1 5 10 15
 Ile Phe Cys Trp Arg Val Ser Thr Val Thr Ser Thr Ala Gly Ala Leu
 20 25 30
 Thr Asn Pro His Ser Cys Tyr Thr Ser Val Leu Lys Val Gly Ala Thr
 35 40 45
 Gly Val Gly Gln Ser Leu Ser Val Trp Thr Met Pro Gly Leu Leu Leu
 50 55 60
 Glu Gln Phe Ser Thr Gly Val Glu Leu Leu Leu Ser Ser Ser Arg Phe
 65 70 75 80
 Ser Asn Ser Met Glu Tyr Lys Asn Arg Leu Ser Ser Val Glu Asp Arg
 85 90 95
 Ser Ser Val Val Thr Cys Leu Lys Ala
 100 105

<210> 727
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 727
 Met Leu Glu Thr Leu Ser Gln Phe Ile Ser Ile Leu Phe Val Leu Leu
 1 5 10 15
 Trp Ile Ile Ser Asp Leu Ile Leu Cys Phe Leu Lys Cys Gly Asn Pro
 20 25 30
 Gly Thr Leu Asp Met Val Leu Pro Ile Trp Thr Asn Gln Tyr Thr His
 35 40 45
 Ser Ser Arg Ser Ile Leu Ser Phe Ile
 50 55

<210> 728
 <211> 71
 <212> PRT
 <213> Homo sapiens

<400> 728
 Met Arg Ile His Phe Lys Ile Leu Val Leu Val Ile Tyr Phe Ile Leu
 1 5 10 15
 Leu Gly Ser Phe Ser Asp Arg Cys Ser Leu Leu Asp Cys Lys Ser Arg
 20 25 30
 Ile Gln Arg Ile Phe Ile Cys Asn Ile Leu Asn Leu Ser Leu Val Ser
 35 40 45

Cys His Leu Cys Arg Tyr Ser Phe Asp Cys Leu Thr Arg Gly Lys Cys
50 55 60

Phe Pro Leu Ser Phe Pro Ala
65 70

<210> 729
<211> 68
<212> PRT
<213> Homo sapiens

<400> 729
Met Leu Met Leu Leu Thr Leu Leu Val Leu Gly Met Val Trp Val Ala
1 5 10 15

Ser Ala Ile Val Asp Lys Asn Lys Ala Asn Arg Glu Ser Leu Tyr Asp
20 25 30

Phe Trp Glu Tyr Tyr Leu Pro Tyr Leu Tyr Ser Cys Ile Ser Phe Leu
35 40 45

Gly Val Leu Leu Leu Leu Ala Ala Gly Arg Pro Gly Gly Ala Ala Val
50 55 60

Leu Leu Ser Leu
65

<210> 730
<211> 233
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (173)
<223> Xaa equals any of the naturally occurring amino acids

<400> 730
Met His Arg Gly Lys Leu Asp Cys Ala Gly Gly Ala Leu Leu Ser Ser
1 5 10 15

Tyr Leu Ile Val Leu Met Ile Leu Leu Ala Val Val Ile Cys Thr Val
20 25 30

Ser Ala Ile Met Cys Val Ser Met Arg Gly Thr Ile Cys Asn Pro Gly
35 40 45

Pro Arg Lys Ser Met Ser Lys Leu Leu Tyr Ile Arg Leu Ala Leu Phe
50 55 60

Phe Pro Glu Met Val Trp Ala Ser Leu Gly Ala Ala Trp Val Ala Asp
65 70 75 80

Gly Val Gln Cys Asp Arg Thr Val Val Asn Gly Ile Ile Ala Thr Val
 85 90 95
 Val Val Ser Trp Ile Ile Ile Ala Ala Thr Val Val Ser Ile Ile Ile
 100 105 110
 Val Phe Asp Pro Leu Gly Gly Lys Met Ala Pro Tyr Ser Ser Ala Gly
 115 120 125
 Pro Ser His Leu Asp Ser His Asp Ser Ser Gln Leu Leu Asn Gly Leu
 130 135 140
 Lys Thr Ala Ala Thr Ser Val Trp Glu Thr Arg Ile Lys Leu Leu Cys
 145 150 155 160
 Cys Cys Ile Gly Lys Asp Asp His Thr Arg Val Ala Xaa Ser Ser Thr
 165 170 175
 Ala Glu Leu Phe Ser Thr Tyr Phe Ser Asp Thr Asp Leu Val Pro Ser
 180 185 190
 Asp Ile Ala Ala Gly Leu Ala Leu Leu His Gln Gln Gln Asp Asn Ile
 195 200 205
 Arg Asn Asn Gln Asp Leu Pro Arg Trp Ser Ala Met Pro Gln Gly Ala
 210 215 220
 Pro Arg Lys Leu Ile Trp Met Gln Asn
 225 230

<210> 731
 <211> 66
 <212> PRT
 <213> Homo sapiens

<400> 731
 Met Phe Val Glu Arg Trp Leu Pro Cys Phe Leu Val Val Ala Val Val
 1 5 10 15
 Val Trp Val Phe Ala Cys Gly Pro Val Glu Asp Lys Glu Asp Ser Phe
 20 25 30
 Gly Trp Ser Ser Tyr Phe Leu Ala Ser Gly Leu Pro Pro Leu Leu Phe
 35 40 45
 Glu Ala Ser Gln Thr Arg Thr Val Arg Ala Gly Arg Leu Gly Val Phe
 50 55 60
 Val Cys
 65

<210> 732

<211> 40
 <212> PRT
 <213> Homo sapiens

<400> 732
 Met Ser Val Tyr Val Asn Ile Met His Ile Val Ile Tyr Ile TyrLeu
 1 5 10 15
 Cys Val Tyr Met Cys Val Ala Gln Ser His Thr His Thr Gln Ile Cys
 20 25 30
 Ile Gln Met Leu Pro Gly Leu Gln
 35 40

<210> 733
 <211> 249
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (147)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (150)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (196)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (222)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 733
 Met Val Cys Val Phe Met Cys Ile Val Gly Val Cys Val Ala Cys Cys
 1 5 10 15
 Ala Cys Val Tyr Cys Gly Cys Leu Leu Ser Arg Ala Val Glu Arg Thr
 20 25 30
 Ser Gly Lys Gln Pro Gln His Gln Gly Gln Ala Arg Ser Aa Glu Cys
 35 40 45
 Met Glu Ala Gly Gln Val Gly Ala Trp Asp Glu Gly Ser Thr Glu Met
 50 55 60
 Gln Gly Cys Gln Gly Pro Trp Asn Gln Glu Pro Met Ile Lys Ala Thr
 65 70 75 80

Val His Thr Ala Leu Glu Ala Lys Asp Ile Phe Ile Ser Gln Gly Leu
 85 90 95
 Lys Ser Met Gly Gln Gly Trp Ala Pro Gly Gln Asp Trp Gly Tyr Arg
 100 105 110
 Val Asp Gln Ser Pro Ser Leu Pro Pro Gly Ala Tyr Pro His Pro Phe
 115 120 125
 Thr Ser Gln Val Ser Pro Pro Gln Pro Leu Gly Glu Leu Leu Leu Ile
 130 135 140
 Pro Gln Xaa Val Ala Xaa Val Thr Leu Leu Pro Glu Ala Ser Pro His
 145 150 155 160
 Pro Leu Lys His Pro Leu Pro Ala Ala His Leu Gln His Ser Gln Arg
 165 170 175
 Ala Pro Trp Pro Val Ser Thr Gly Leu Ser Leu Leu Gly Gly Ala Gly
 180 185 190
 Ala Glu Gln Xaa Pro Gly Leu Gly Val Pro Ala Pro Arg Ser Thr Pro
 195 200 205
 Ser Pro Thr Ala Ser Leu Phe Asn Leu Arg Gln Ala Val Xaa Leu Leu
 210 215 220
 Ser Leu Thr Phe Pro Leu Cys Lys Met Arg Glu Gly Thr Ala Pro Ser
 225 230 235 240
 Lys Pro Ser Phe Ser Leu Lys Pro Leu
 245

<210> 734
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 734
 Met Gln Gly Ser Asp Ala Gly His Gly Gly Thr His Ile Tyr Arg Ala
 1 5 10 15
 Leu Val Gln Trp Pro Leu Ala Trp Val Phe Tyr Leu Ser His Ala Lys
 20 25 30
 Thr His Trp Gly Glu Glu Leu Arg Phe Ser Phe Arg Arg Lys Asn Leu
 35 40 45
 Arg Leu Arg Glu Ala Met Arg His Glu Thr Cys Gln Val Thr Gln Leu
 50 55 60
 Val Ala Gly Lys Ala Asp Ser Asn Leu Cys Leu Arg Asp Ser Glu Thr
 65 70 75 80
 Trp Phe Trp Pro Pro Leu Trp Ala Ala Cys Ser Ser Leu Gln Ala Thr

	85		90		95										
Ala	Cys	Arg	Leu	Ser	Ser	Pro	Ser	Lys	Gly	Leu	Gly	Ala	Ser	Arg	Glu
			100					105					110		
Cys	Pro	Trp	Leu	Ala	Ser	Gly	Arg	Ala	Ala	Leu	Val	Ser	Phe	Leu	
		115					120					125			

<210> 735
 <211> 82
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (51)
 <223> Xaa equals any of the naturally occurring amino acids

	<400>	735													
Met	Leu	Ile	Ala	Leu	Phe	Cys	Ile	Leu	Phe	Gln	Ile	Leu	Phe	Ser	Ile
1				5					10					15	
Pro	Thr	Arg	Ile	Phe	Tyr	Ile	Phe	Leu	Ile	Asn	Lys	Arg	Val	His	Ile
			20					25					30		
Phe	Thr	Thr	Tyr	Leu	Met	Ser	Glu	Gln	Lys	Asn	His	Asp	Trp	Val	Arg
			35				40					45			
Arg	Thr	Xaa	Lys	Leu	His	Arg	Val	Trp	Leu	Ile	Ser	Gly	Lys	Met	Leu
		50				55					60				
Leu	Val	Ala	Asp	Ile	Lys	Ala	Leu	Ile	Arg	Trp	Leu	Trp	Gly	Pro	Asn
65					70				75						80
Pro	Glu														

<210> 736
 <211> 90
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (30)
 <223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE
 <222> (65)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 736
 Met Leu Arg Cys Ser Phe Ser Ser Phe Leu Leu Cys His Thr Ile Leu
 1 5 10 15
 Leu Phe Leu Gly Ser Ser Ala His Leu Leu Val Glu Xaa Xaa Val Trp
 20 25 30
 Gly Leu Tyr Glu Tyr Arg Ile Gly Asp Met Val Asp Gln Lys Ala Thr
 35 40 45
 Phe Cys Val Gln Lys Gln Glu Cys Leu Phe Pro Leu Gly Ser Trp Val
 50 55 60
 Xaa Arg Val Glu Gly Gly Ala Phe Ala Arg Glu Pro Pro Ser Ser Thr
 65 70 75 80
 Gln Tyr Phe Pro Val Ser Cys Leu Tyr Gln
 85 90

<210> 737
 <211> 36
 <212> PRT
 <213> Homo sapiens

<400> 737
 Met Gly Cys Thr Ala Leu Leu Leu Leu Phe His Leu Cys Val Pro Cys
 1 5 10 15
 Glu Pro Tyr Gly Thr His Glu Lys Glu Leu Val Pro Gly Leu Tyr Phe
 20 25 30
 Leu Val Tyr Arg
 35

<210> 738
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 738
 Met Cys Ile Pro Glu Ala Leu Gly Lys Asn Ser Leu Phe Leu Ser Ser
 1 5 10 15
 Thr Phe Leu Trp Leu Leu Ala Phe Phe Gly Leu Trp Ser His His Ser
 20 25 30
 Tyr Leu Glu Gly Gln His Leu Gln Ile Cys Phe Phe Phe Thr
 35 40 45

<210> 739
 <211> 34
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 739
 Met Ser Val Phe Leu Leu Ile Thr Leu Ala Leu Ala Ile Leu Tyr Ile
 1 5 10 15
 Ile Arg Ser Ile Val Phe Ser Leu Ala Leu Xaa Gln Asn Gly Ser Leu
 20 25 30
 Gln Gly

<210> 740
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 740
 Met Ala Ile Ser Cys Trp Ala Ser Leu Thr Val Lys Ser Leu Tyr Cys
 1 5 10 15
 Leu Leu Gly Phe Trp Trp Glu Ala Val Ile Ser Ser Asn Glu Leu Pro
 20 25 30
 Leu Pro Trp Ile Cys Gln Glu Ala Asp Gly Asn Leu Ala Asn Ser Gly
 35 40 45
 Arg Tyr Gln Ala Pro Ser Ser Ala Pro Val Thr Leu Phe Tyr Thr Cys
 50 55 60
 Gly Ser Thr Thr Val Cys Ser Glu Gly Gln Ser Leu Pro Leu Leu Cys
 65 70 75 80
 Phe Ser

<210> 741
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 741
 Met Pro Pro His Arg Gln Thr Asp Gly Gln Met Gly Leu Pro Ala Pro

1	5	10	15
Ala Leu Trp Val Trp Gly Leu Leu Leu Ser Ser Ser Phe Gln Thr Leu	20	25	30
Leu Pro Ala Phe Pro Lys Pro Pro Ala Leu Asn Leu Gly Cys Ser Thr	35	40	45
Arg Pro Ile Pro Ser Phe Leu Lys Ile	50	55	

<210> 742
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 742
Met Pro Arg Trp Leu Ser Leu Leu Ala Leu Thr Ser Leu Thr Gly Ile
1 5 10 15
Leu Ser Gly Thr Leu Gly Phe Ser Pro His Gly Trp Ser Ser Pro Arg
20 25 30
Arg His Leu Ser Pro Arg Pro Glu Cys Pro Ala Ala Ser Gln Thr Thr
35 40 45
Cys Lys Ser Leu Gly Gln His
50 55

<210> 743
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 743
Met Thr Pro Ser Leu Leu Ser Glu Lys Leu Cys Ser Leu Phe Phe Val
1 5 10 15
Leu Leu Gly Ile Ala Ser Ala Ala Phe Val Ser Ala Leu Trp Ala Trp
20 25 30
Ser Ser His Thr Glu Arg Leu Thr Ala Glu Pro Ser Ser Ser Ile Thr
35 40 45
Cys Leu Ser Pro Pro Trp Phe Phe Phe Pro Phe
50 55

<210> 744
 <211> 54
 <212> PRT
 <213> Homo sapiens

<400> 744

Met Trp Pro Phe Leu His Leu Leu Asn Met Pro Phe Thr Leu Thr Gln
1 5 10 15

Val Val Ala Ser Pro Ser Ser Cys Ser Asn Trp Lys Pro Gln His Pro
20 25 30

Glu Met Pro Pro Pro Gln Ile His Cys Thr His Val Cys Leu Cys Met
35 40 45

Arg Val Cys Ala Arg Val
50

<210> 745

<211> 81

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (44)

<223> Xaa equals any of the naturally occurring amino acids

<400> 745

Met Arg Met Arg Val Ala Val Ala Pro Arg Pro His Gln His Leu Val
1 5 10 15

Val Ser Val Ser Trp Ile Leu Ala Ile Leu Ile Ser Val Ser Gly Tyr
20 25 30

His Cys Phe His Leu Gln Phe Ser Tyr Met Val Xaa Asn Ile Phe Pro
35 40 45

His Val Tyr Leu Ser Ser Ala Tyr Leu Leu Arg Pro Val Ile Cys Ser
50 55 60

Asp Leu Leu Pro Val Phe Val Cys Leu His Val Cys Leu Cys Leu Ile
65 70 75 80

Phe

<210> 746

<211> 80

<212> PRT

<213> Homo sapiens

<400> 746

Met Cys Val Val Cys Val Cys Val Trp Cys Met Cys Val Cys Gly Val
1 5 10 15

Cys Val Cys Leu Cys Val Cys Gly Val Cys Met Cys Ile Ser Leu Asn

	20		25		30										
Glu	Lys	Leu	Ala	Pro	Met	Ile	Met	Glu	Leu	Thr	Thr	Pro	Lys	Val	Cys
		35					40					45			
Arg	Gln	Gln	Ala	Gly	Gly	Pro	Gly	Gly	Pro	Val	Val	Trp	Leu	Gln	Pro
	50					55					60				
Val	Ser	Glu	Gly	Leu	Arg	Thr	Arg	Arg	Ala	Gly	Gly	Ala	Ala	Ala	Val
65					70					75					80

<210> 747
 <211> 180
 <212> PRT
 <213> Homo sapiens

<400> 747

Met	Tyr	Ser	Cys	Leu	Leu	Leu	Pro	Asp	Leu	Leu	Tyr	Leu	Thr	Leu	Ser
1				5					10					15	
Pro	Leu	Val	Val	Ala	Met	Leu	Leu	Thr	Pro	His	Phe	Asn	Val	Ala	Asn
			20					25					30		
Pro	Gln	Asn	Leu	Leu	Ala	Gly	Leu	Trp	Leu	Glu	Asn	Glu	His	Ser	Phe
		35					40					45			
Thr	Leu	Met	Ala	Pro	Glu	Arg	Ala	Arg	Thr	His	His	Cys	Gln	Pro	Glu
	50					55					60				
Glu	Arg	Lys	Val	Leu	Phe	Cys	Leu	Phe	Pro	Ile	Val	Pro	Asn	Ser	Gln
65					70					75					80
Ala	Gln	Val	Gln	Pro	Pro	Gln	Met	Pro	Pro	Phe	Cys	Cys	Ala	Ala	Ala
				85					90					95	
Lys	Glu	Lys	Thr	Gln	Glu	Glu	Gln	Leu	Gln	Glu	Pro	Leu	Gly	Ser	Gln
			100					105					110		
Cys	Pro	Asp	Thr	Cys	Pro	Asn	Ser	Leu	Cys	Pro	Ser	His	Thr	Gln	Leu
		115					120					125			
Thr	Lys	Ala	Asn	Thr	Leu	Ser	Leu	Phe	Phe	Phe	Phe	Ser	Phe	Phe	Leu
	130					135						140			
Ser	Arg	Val	Ser	Leu	Leu	Ser	Pro	Arg	Leu	Glu	Cys	Asn	Gly	Arg	Ile
145					150					155					160
Leu	Ala	His	Cys	Asn	Leu	His	Leu	Pro	Gly	Ser	Ser	Asn	Ser	Pro	Val
				165					170					175	
Ser	Ala	Ser	Arg												
			180												

<210> 748
 <211> 53
 <212> PRT
 <213> Homo sapiens

<400> 748
 Met Ser Thr Phe Val Cys Val Cys Val Phe Cys Phe Val Leu Arg Ser
 1 5 10 15
 Glu Ala Arg Ala Lys Arg Lys Gln Asp Gln Arg Asn Thr Lys Arg Cys
 20 25 30
 Leu Leu Thr Lys Gly Gln Arg Asp Leu Ser Val Asn Gln Ser Lys Ile
 35 40 45
 Asn Arg Thr Ala Asn
 50

<210> 749
 <211> 80
 <212> PRT
 <213> Homo sapiens

<400> 749
 Met Ala Leu Trp Val Thr Cys Ile Leu Ser Leu Cys Thr Trp Phe Ser
 1 5 10 15
 Cys Leu Tyr Gly Ala Asp Ser Leu Ala Asn Lys Cys Leu Ser Ala Gly
 20 25 30
 Ala Thr Arg Lys Ala Phe Pro Phe Cys Val Leu Phe Arg Asp Leu Gl
 35 40 45
 Val Gly Leu Gly Phe Glu Gly Phe Val Thr His Leu Ala Cys Lys Leu
 50 55 60
 Phe Cys Tyr Cys Glu Leu Ser Asp Ser Ala Leu Ser Leu Gly His Glu
 65 70 75 80

<210> 750
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 750
 Met Ala Val Ser Leu Leu Phe Trp Met Leu Leu Gly Ala Val Pro Ile
 1 5 10 15

Ala Gln Gly His Pro Glu Ile Gln Leu Leu Glu Ser Glu Ser Cys Gly
20 25 30
His Ser Ala Glu Gly Pro Trp Arg Gly Gly Leu Arg Cys Pro Leu Gln
35 40 45
Pro Gly Leu
50

<210> 751
<211> 320
<212> PRT
<213> Homo sapiens

<400> 751
Met Arg Gly Ser Val Glu Cys Thr Trp Gly Trp Gly His Cys Ala Pro
1 5 10 15
Ser Pro Leu Leu Leu Trp Thr Leu Leu Leu Phe AlaAla Pro Phe Gly
20 25 30
Leu Leu Gly Glu Lys Thr Arg Gln Leu Leu Glu Phe Asp Ser Thr Asn
35 40 45
Val Ser Asp Thr Ala Ala Lys Pro Leu Gly Arg Pro Tyr Pro ProTyr
50 55 60
Ser Leu Ala Asp Phe Ser Trp Asn Asn Ile Thr Asp Ser Leu Asp Pro
65 70 75 80
Ala Thr Leu Ser Ala Thr Phe Gln Gly His Pro Met Asn Asp Pro Thr
85 90 95
Arg Thr Phe Ala Asn Gly Ser Leu Ala Phe Arg Val Gln Ala Phe Ser
100 105 110
Arg Ser Ser Arg Pro Ala Gln Pro Pro Arg Leu Leu His Thr Ala Asp
115 120 125
Thr Cys Gln Leu Glu Val Ala Leu Ile Gly Ala Ser Pro Arg Gly Asn
130 135 140
Arg Ser Leu Phe Gly Leu Glu Val Ala Thr Leu Gly Gln Gly Pro Asp
145 150 155 160
Cys Pro Ser Met Gln Glu Gln His Ser Ile Asp Asp Glu Tyr Ala Pro
165 170 175
Ala Val Phe Gln Leu Asp Gln Leu Leu Trp Gly Ser Leu Pro Ser Gly
180 185 190
Phe Ala Gln Trp Arg Pro Val Ala Tyr Ser Gln Lys Pro Gly Gly Arg
195 200 205

Glu Ser Ala Leu Pro Cys Gln Ala Ser Pro Leu His Pro Ala Leu Ala
 210 215 220
 Tyr Ser Leu Pro Gln Ser Pro Ile Val Arg Ala Phe Phe Gly Ser Gln
 225 230 235 240
 Asn Asn Phe Cys Ala Phe Asn Leu Thr Phe Gly Ala Ser Thr Gly Pro
 245 250 255
 Gly Tyr Trp Asp Gln His Tyr Leu Ser Trp Ser Met Leu Leu Gly Val
 260 265 270
 Gly Phe Pro Pro Val Asp Gly Leu Ser Pro Leu Val Leu Gly Ile Met
 275 280 285
 Ala Val Ala Leu Gly Ala Pro Gly Leu Met Leu Leu Gly Gly Gly Leu
 290 295 300
 Val Leu Leu Leu His His Lys Lys Tyr Ser Glu Tyr Gln Ser Ile Asn
 305 310 315 320

<210> 752
 <211> 115
 <212> PRT
 <213> Homo sapiens

<400> 752
 Met Leu Ala Leu Ser Ser Ser Phe Leu Val Leu Ser Tyr Leu Leu Thr
 1 5 10 15
 Arg Trp Cys Gly Ser Val Gly Phe Ile Leu Ala Asn CysPhe Asn Met
 20 25 30
 Gly Ile Arg Ile Thr Gln Ser Leu Cys Phe Ile His Arg Tyr Tyr Arg
 35 40 45
 Arg Ala Pro Thr Gly Pro Trp Leu Ala Cys Thr Tyr Arg Gln Ser Cys
 50 55 60
 Ser Gly His Leu Pro Ser Val Val Gly Leu Leu Leu Phe Arg Arg Tyr
 65 70 75 80
 Ser Ser Ala Val Ser Arg Ala Gly Gln Pro Asp Trp His Thr Leu Leu
 85 90 95
 Trp Gly Pro Ser Val Trp Glu Gln Leu Ser Gly Gln His Ser Ser Gln
 100 105 110
 Arg Pro Ser
 115

<210> 753
 <211> 402
 <212> PRT
 <213> Homo sapiens

<400> 753

Met	Tyr	Ser	Gly	Asn	Arg	Ser	Gly	Gly	His	Gly	Tyr	Trp	Asp	Gly	Gly	1	5	10	15
Gly	Ala	Ala	Gly	Ala	Glu	Gly	Pro	Ala	Pro	Ala	Gly	Thr	Leu	Ser	Pro	20	25	30	
Ala	Pro	Leu	Phe	Ser	Pro	Gly	Thr	Tyr	Glu	Arg	Leu	Ala	Leu	Leu	Leu	35	40	45	
Gly	Ser	Ile	Gly	Leu	Leu	Gly	Val	Gly	Asn	Asn	Leu	Leu	Val	Leu	Val	50	55	60	
Leu	Tyr	Tyr	Lys	Phe	Gln	Arg	Leu	Arg	Thr	Pro	Thr	His	Leu	Leu	Leu	65	70	75	80
Val	Asn	Ile	Ser	Leu	Ser	Asp	Leu	Leu	Val	Ser	Leu	Phe	Gly	Val	Thr	85	90	95	
Phe	Thr	Phe	Val	Ser	Cys	Leu	Arg	Asn	Gly	Trp	Val	Trp	Asp	Thr	Val	100	105	110	
Gly	Cys	Val	Trp	Asp	Gly	Phe	Ser	Gly	Ser	Leu	Phe	Gly	Ile	Val	Ser	115	120	125	
Ile	Ala	Thr	Leu	Thr	Val	Leu	Ala	Tyr	Glu	Arg	Tyr	Ile	Arg	Val	Val	130	135	140	
His	Ala	Arg	Val	Ile	Asn	Phe	Ser	Trp	Ala	Trp	Arg	Ala	Ile	Thr	Tyr	145	150	155	160
Ile	Trp	Leu	Tyr	Ser	Leu	Ala	Trp	Ala	Gly	Ala	Pro	Leu	Leu	Gly	Trp	165	170	175	
Asn	Arg	Tyr	Ile	Leu	Asp	Val	His	Gly	Leu	Gly	Cys	Thr	Val	Asp	Trp	180	185	190	
Lys	Ser	Lys	Asp	Ala	Asn	Asp	Ser	Ser	Phe	Val	Leu	Phe	Leu	Phe	Leu	195	200	205	
Gly	Cys	Leu	Val	Val	Pro	Leu	Gly	Val	Ile	Ala	His	Cys	Tyr	Gly	His	210	215	220	
Ile	Leu	Tyr	Ser	Ile	Arg	Met	Leu	Arg	Cys	Val	Glu	Asp	Leu	Gln	Thr	225	230	235	240
Ile	Gln	Val	Ile	Lys	Ile	Leu	Lys	Tyr	Glu	Lys	Lys	Leu	Ala	Lys	Met	245	250	255	
Cys	Phe	Leu	Met	Ile	Phe	Thr	Phe	Leu	Val	Cys	Trp	Met	Pro	Tyr	Ile	260	265	270	

Val Ile Cys Phe Leu Val Val Asn Gly His Gly His Leu Val Thr Pro
 275 280 285
 Thr Ile Ser Ile Val Ser Tyr Leu Phe Ala Lys Ser An Thr Val Tyr
 290 295 300
 Asn Pro Val Ile Tyr Val Phe Met Ile Arg Lys Phe Arg Arg Ser Leu
 305 310 315 320
 Leu Gln Leu Leu Cys Leu Arg Leu Leu Arg Cys Gln Arg Pro Aa Lys
 325 330 335
 Asp Leu Pro Ala Ala Gly Ser Glu Met Gln Ile Arg Pro Ile Val Met
 340 345 350
 Ser Gln Lys Asp Gly Asp Arg Pro Lys Lys Lys Val Thr Phe Asn &r
 355 360 365
 Ser Ser Ile Ile Phe Ile Ile Thr Ser Asp Glu Ser Leu Ser Val Asp
 370 375 380
 Asp Ser Asp Lys Thr Asn Gly Ser Lys Val Asp Val Ile Gln Val Arg
 385 390 395 400
 Pro Leu

<210> 754
 <211> 76
 <212> PRT
 <213> Homo sapiens

<400> 754
 Met Gly Ala His Ser Phe Gly Phe Gln Leu Phe Met Ser Val Ser Val
 1 5 10 15
 Leu Trp Gly Arg Leu Cys Leu Tyr Gly Arg Phe Ser Val Ile Thr Phe
 20 25 30
 Ala Ser Pro Pro Thr Thr Phe Met Asp Ile Gln Cys Cys Phe Ala Leu
 35 40 45
 Gln Leu Glu Arg Arg Asp Gly Gln Leu Val Thr Leu Ser His Ile Ala
 50 55 60
 Thr Phe Ile Cys Ser Gly Lys Lys Leu Asp Arg Trp
 65 70 75

<210> 755
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 755

Met Ala Val Pro Leu Phe Leu Tyr Ile Phe Thr Leu Leu Pro Leu Leu
1 5 10 15

Pro Phe Leu Leu Ser Leu Cys Phe Ser Pro Leu Thr Val Lys Arg Ser
20 25 30

Ser Ser Ser Glu Ser Lys Ser Ser Leu
35 40

<210> 756

<211> 35

<212> PRT

<213> Homo sapiens

<400> 756

Ile Tyr Ser Ser Gly Tyr Phe Gln Ile Tyr Asn Met Leu Leu Leu Thr
1 5 10 15

Ile Leu Ile Leu Leu Cys Asn Arg Thr Pro Glu Leu Ile Pro Gly Phe
20 25 30

Tyr Ile Arg
35

<210> 757

<211> 159

<212> PRT

<213> Homo sapiens

<400> 757

Gly Thr Arg Leu Pro Thr Asn Val Arg Gly Ile Met Val Trp Phe Ser
1 5 10 15

Cys Trp Leu Leu Thr Gln Ser Ile Thr Val Ile Leu Gly Ala Arg Gly
20 25 30

Arg Tyr Gly Arg Leu Cys Val Leu Gln Gly Arg His Cys Gly Leu Val
35 40 45

Asp Lys Ser Gly Ser Pro Asn Pro Phe Ser Ala Asp Val Leu Ala Val
50 55 60

His Ser Gly Gln Val Ser His Ser Pro Glu Pro Gln Arg Leu Tyr Gln
65 70 75 80

Tyr Asp Glu Asn Lys Tyr Ser Thr Cys Leu Pro His Gly Val Val Ser
85 90 95

Ala Val Asn Glu Ile Met Tyr Met Lys His Leu Val Tyr Leu Ala Pro
100 105 110

Asn Lys Ser Ser Thr Thr Ser Ser Leu Ile Thr Asn Lys Met Glu Leu
 115 120 125

Glu Gly Cys Ile Ser Leu Asn Lys Ile Leu Arg Gln Ile Leu Gly Val
 130 135 140

Pro Val Phe Ile Leu Gln Leu Glu Ser Pro Pro Ser Leu Phe Gly
 145 150 155

<210> 758
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 758
 Met Leu Gln Gln Lys Thr Gln Phe Tyr Ser Ile Leu Trp Leu Cys Ser
 1 5 10 15
 Ile Pro Trp Cys Val Cys Thr Thr Phe Ser Leu Tyr Ser Pro Pro Leu
 20 25 30
 Met Gly Thr Arg Val Asp Phe Met Ser Leu Asn Met Cys Cys Asn Glu
 35 40 45
 Lys Lys His Ile Phe Tyr Lys Met Ile Glu Val
 50 55

<210> 759
 <211> 226
 <212> PRT
 <213> Homo sapiens

<400> 759
 Met Glu Thr Val Val Ile Val Ala Ile Gly Val Leu Ala Thr Ile Phe
 1 5 10 15
 Leu Ala Ser Phe Ala Ala Leu Val Leu Val Cys Arg Gln Arg Tyr Cys
 20 25 30
 Arg Pro Arg Asp Leu Leu Gln Arg Tyr Asp Ser Lys Pro Ile Val Asp
 35 40 45
 Leu Ile Gly Ala Met Glu Thr Gln Ser Glu Pro Ser Glu Leu Glu Leu
 50 55 60
 Asp Asp Val Val Ile Thr Asn Pro His Ile Glu Ala Ile Leu Glu Asn
 65 70 75 80
 Glu Asp Trp Ile Glu Asp Ala Ser Gly Leu Met Ser His Cys Ile Ala
 85 90 95
 Ile Leu Lys Ile Cys His Thr Leu Thr Glu Lys Leu Val Ala Met Thr
 100 105 110

Met Gly Ser Gly Ala Lys Met Lys Thr Ser Ala Ser Val Ser Asp Ile
 115 120 125
 Ile Val Val Ala Lys Arg Ile Ser Pro Arg Val Asp Asp Val Val Lys
 130 135 140
 Ser Met Tyr Pro Pro Leu Asp Pro Lys Leu Leu Asp Ala Arg Thr Thr
 145 150 155 160
 Ala Leu Leu Leu Ser Val Ser His Leu Val Leu Val Thr Arg Asn Ala
 165 170 175
 Cys His Leu Thr Gly Gly Leu Asp Trp Ile Asp Gln Ser Leu Ser Ala
 180 185 190
 Ala Glu Glu His Leu Glu Val Leu Arg Glu Ala Ala Leu Ala Ser Glu
 195 200 205
 Pro Asp Lys Gly Leu Pro Gly Pro Glu Gly Phe Leu Gln Glu Gln Ser
 210 215 220
 Ala Ile
 225

<210> 760
 <211> 484
 <212> PRT
 <213> Homo sapiens

<400> 760
 Met Pro Arg His Leu Ser Gly Leu Leu Leu Leu Leu Trp Pro Leu Leu
 1 5 10 15
 Leu Leu Leu Pro Pro Thr Pro Ala Ala Pro Gly Pro Leu Ala Arg Pro
 20 25 30
 Gly Leu Arg Arg Leu Gly Thr Arg Gly Pro Gly Gly Ser Pro Gly Arg
 35 40 45
 Arg Pro Val Ser Ala Val Pro Thr Arg Ala Pro Tyr Ser Gly Ala Gly
 50 55 60
 Gln Pro Gly Gly Ala Arg Gly Ala Gly Val Cys Arg Ser Arg Pro Leu
 65 70 75 80
 Asp Leu Val Phe Ile Ile Asp Ser Ser Arg Ser Val Arg Pro Leu Glu
 85 90 95
 Phe Thr Lys Val Lys Thr Phe Val Ser Gln Ile Ile Asp Thr Leu Asp
 100 105 110
 Ile Gly Ala Ala Asp Thr Arg Val Ala Val Val Asn Tyr Ala Ser Thr
 115 120 125

Val	Lys	Ile	Glu	Phe	His	Leu	Gln	Thr	His	Ser	Asp	Lys	Gln	Ser	Leu	130	135	140
Lys	Gln	Ala	Val	Ala	Arg	Ile	Thr	Pro	Leu	Ser	Thr	Gly	Thr	Met	Ser	145	150	155
Gly	Leu	Ala	Ile	Gln	Thr	Ala	Met	Asp	Glu	Ala	Phe	Thr	Val	Glu	Ala	165	170	175
Gly	Ala	Arg	Gly	Pro	Thr	Ser	Asn	Ile	Pro	Lys	Val	Ala	Ile	Ile	Val	180	185	190
Thr	Asp	Gly	Arg	Pro	Gln	Asp	Gln	Val	Asn	Glu	Val	Ala	Ala	Arg	Ala	195	200	205
Arg	Ala	Ser	Gly	Ile	Glu	Leu	Tyr	Ala	Val	Gly	Val	Asp	Arg	Ala	Asp	210	215	220
Met	Glu	Ser	Leu	Lys	Met	Met	Ala	Ser	Glu	Pro	Leu	Asp	Glu	His	Val	225	230	235
Phe	Tyr	Val	Glu	Thr	Tyr	Gly	Val	Ile	Glu	Lys	Leu	Ser	Ser	Arg	Phe	245	250	255
Gln	Glu	Thr	Phe	Cys	Ala	Leu	Asp	Pro	Cys	Val	Leu	Gly	Thr	His	Arg	260	265	270
Cys	Gln	His	Val	Cys	Val	Ser	Asp	Gly	Glu	Gly	Lys	His	His	Cys	Glu	275	280	285
Cys	Ser	Gln	Gly	Tyr	Ser	Leu	Asn	Ala	Asp	Gln	Lys	Thr	Cys	Ser	Ala	290	295	300
Ile	Asp	Lys	Cys	Ala	Leu	Asn	Thr	His	Gly	Cys	Glu	His	Ile	Cys	Val	305	310	315
Asn	Asp	Arg	Thr	Gly	Ser	Tyr	His	Cys	Glu	Cys	Tyr	Glu	Gly	Tyr	Thr	325	330	335
Leu	Asn	Gln	Asp	Arg	Lys	Thr	Cys	Ser	Ala	Gln	Asp	Gln	Cys	Ala	Phe	340	345	350
Gly	Thr	His	Gly	Cys	Gln	His	Ile	Cys	Val	Asn	Asp	Arg	Asp	Gly	Ser	355	360	365
His	His	Cys	Glu	Cys	Tyr	Glu	Gly	Tyr	Thr	Leu	Asn	Ala	Asp	Asn	Lys	370	375	380
Thr	Cys	Ser	Val	Arg	Ser	Glu	Cys	Ala	Gly	Gly	Ser	His	Gly	Cys	Gln	385	390	395
His	Leu	Cys	Val	Asp	Asp	Gly	Pro	Ala	Ala	Tyr	His	Cys	Asp	Cys	Phe	405	410	415
Pro	Gly	Tyr	Thr	Leu	Thr	Glu	Asp	Arg	Arg	Thr	Cys	Ala	Ala	Ile	Glu	420	425	430

Glu Ala Arg Arg Leu Val Ser Thr Glu Asp Ala Cys Gly Cys Glu Ala
 435 440 445
 Thr Leu Ala Phe Gln Glu Arg Ala Ser Ser Tyr Leu Gln Arg Leu Asn
 450 455 460
 Ala Lys Leu Asp Asp Ile Leu Gly Lys Leu Gln Ala Asp Ala Tyr Gly
 465 470 475 480
 Gln Ile His Arg

<210> 761
 <211> 410
 <212> PRT
 <213> Homo sapiens

<400> 761
 Met Gln Pro Pro Ser Leu Leu Leu Leu Val Leu Gly Leu Leu Ala Ala
 1 5 10 15
 Pro Ala Ala Ala Leu Val Arg Ile Pro Leu His Lys Phe Thr Ser Val
 20 25 30
 Arg Arg Thr Met Ser Glu Leu Gly Gly Pro Val Glu Asp Leu Ile Ala
 35 40 45
 Arg Gly Pro Ile Ser Lys Tyr Ala Gln Gly Val Pro Ser Val Ala Gly
 50 55 60
 Gly Pro Val Pro Glu Val Leu Arg Asn Tyr Met Asp Ala Gln Tyr Tyr
 65 70 75 80
 Gly Glu Ile Gly Ile Gly Thr Pro Pro Gln Cys Phe Thr Val Val Phe
 85 90 95
 Asp Thr Gly Ser Ser Asn Leu Trp Val Pro Ser Ile His Cys Lys Leu
 100 105 110
 Leu Asp Ile Ala Cys Trp Ile His His Lys Tyr Asn Ser Gly Lys Ser
 115 120 125
 Ser Thr Tyr Val Lys Asn Gly Thr Ser Phe Asp Ile His Tyr Gly Ser
 130 135 140
 Gly Ser Leu Ser Gly Tyr Leu Ser Gln Asp Thr Val Ser Val Pro Cys
 145 150 155 160
 Lys Ser Gly Leu Ser Ser Leu Ala Gly Val Lys Val Glu Arg Gln Thr
 165 170 175
 Phe Gly Glu Ala Thr Lys Gln Pro Gly Ile Thr Phe Ile Ala Ala Lys
 180 185 190
 Phe Asp Gly Ile Leu Gly Met Ala Tyr Pro Arg Ile Ser Val Asn Asn

195					200					205					
Val	Leu	Pro	Val	Phe	Asp	Asn	Leu	Met	Gln	Gln	Lys	Leu	Val	Glu	Lys
	210					215					220				
Asn	Ile	Phe	Ser	Phe	Tyr	Leu	Asn	Arg	Asp	Pro	Gly	Ala	Gln	Pro	Gly
225					230					235					240
Gly	Glu	Leu	Met	Leu	Gly	Gly	Thr	Asp	Ser	Lys	Tyr	Tyr	Lys	Gly	Pro
				245					250					255	
Leu	Ser	Tyr	Leu	Asn	Val	Thr	Arg	Lys	Ala	Tyr	Trp	Gln	Val	His	Met
			260					265					270		
Glu	Gln	Val	Asp	Val	Gly	Ser	Ser	Leu	Thr	Leu	Cys	Lys	Gly	Gly	Cys
		275					280					285			
Glu	Ala	Ile	Val	Asp	Thr	Gly	Thr	Ser	Leu	Ile	Val	Gly	Pro	Val	Asp
	290					295					300				
Glu	Val	Arg	Glu	Leu	Gln	Lys	Ala	Ile	Gly	Ala	Val	Pro	Leu	Ile	Gln
305					310					315					320
Gly	Glu	Tyr	Met	Ile	Pro	Cys	Glu	Lys	Val	Ser	Thr	Leu	Pro	Glu	Val
				325					330					335	
Thr	Leu	Thr	Leu	Gly	Gly	Lys	Pro	Tyr	Lys	Leu	Ser	Ser	Glu	Asp	Tyr
			340					345					350		
Thr	Leu	Lys	Val	Ser	Gln	Gly	Gly	Lys	Ser	Ile	Cys	Leu	Ser	Gly	Phe
	355						360					365			
Met	Gly	Met	Asp	Ile	Pro	Pro	Pro	Gly	Gly	Pro	Leu	Trp	Ile	Leu	Gly
	370					375					380				
Asp	Val	Phe	Ile	Gly	Arg	Tyr	Tyr	Thr	Val	Phe	Asp	Arg	Asp	Gln	Asn
385					390					395					400
Arg	Val	Gly	Leu	Ala	Glu	Ala	Thr	Arg	Leu						
				405					410						

<210> 762
 <211> 82
 <212> PRT
 <213> Homo sapiens

<400> 762
 Met Leu Leu Leu Gln Ser Leu Phe Phe Pro Met Ser Trp Gly Ser Gly
 1 5 10 15
 Gly Gly Gly Lys Gly Arg Asp Asp Leu Pro Arg Glu Lys Pro Thr Thr
 20 25 30
 Cys Pro Val Phe Asp Arg Leu Phe Asp Ile Phe Ala Lys Ile Pro Leu
 35 40 45

Val Glu Ser Gln Ala Ser Cys Ala Arg Ile Gly Ile Ala Ala Ser His
50 55 60

Trp Arg Leu Asp Cys Ser Val Asp Gly Met Gln Ala Asp Cys Leu Ser
65 70 75 80

Leu Ile

<210> 763
<211> 129
<212> PRT
<213> Homo sapiens

<400> 763
Met Ala Pro Ser Gly Pro Leu Leu Leu Val Leu Leu Val Pro Leu Ala
1 5 10 15

Ala Ala Arg Ala Gly Pro Tyr Phe Arg Pro Gly Arg Gly Cys Arg Leu
20 25 30

Pro Leu Arg Gly Asp Gln Leu Ser Gly Leu Gly Arg Arg Thr Tyr Pro
35 40 45

Arg Pro His Glu Tyr Leu Ser Pro Ser Asp Leu Pro Lys Ser Trp Asp
50 55 60

Trp Arg Asn Val Asn Gly Val Asn Tyr Ala Ser Ala Thr Arg Asn Gln
65 70 75 80

His Ile Pro Gln Tyr Cys Gly Ser Cys Trp Ala His Gly Ser Thr Ser
85 90 95

Ala Met Ala Gly Pro Asp Gln His Gln Glu Lys Gly Gly Val Ala Leu
100 105 110

His Pro Ala Val Arg Ala Ala Arg Pro Arg Leu Arg Gln Arg Gly Leu
115 120 125

Leu

<210> 764
<211> 55
<212> PRT
<213> Homo sapiens

<400> 764
Met Arg Glu Lys Thr Gly Ala Leu Pro Arg Cys Leu Gly Leu Leu Gly
1 5 10 15

Val Gly Leu Leu Trp Arg Trp Cys Gly Arg Arg Ala Arg Ala Gly Val

	20		25		30										
Gly	Lys	Ala	Trp	Ser	Ala	Thr	Arg	Ser	Pro	Ser	Asp	Ser	Cys	Phe	Pro
	35						40					45			
Gly	Val	Ala	Arg	Val	Gly	Ile									
	50					55									

<210> 765
 <211> 494
 <212> PRT
 <213> Homo sapiens

<400> 765
Met Arg Pro Pro Gly Phe Arg Asn Phe Leu Leu Leu Ala Ser Ser Leu
1 5 10 15
Leu Phe Ala Gly Leu Ser Ala Val Pro Gln Ser Phe Ser Pro Ser Leu
20 25 30
Arg Ser Trp Pro Gly Ala Ala Cys Arg Leu Ser Arg Ala Glu Ser Glu
35 40 45
Arg Arg Cys Arg Ala Pro Gly Gln Pro Pro Gly Ala Ala Leu Cys His
50 55 60
Gly Arg Gly Arg Cys Asp Cys Gly Val Cys Ile Cys His Val Thr Glu
65 70 75 80
Pro Gly Met Phe Phe Gly Pro Leu Cys Glu Cys His Glu Trp Val Cys
85 90 95
Glu Thr Tyr Asp Gly Ser Thr Cys Ala Gly His Gly Lys Cys Asp Cys
100 105 110
Gly Lys Cys Lys Cys Asp Gln Gly Trp Tyr Gly Asp Ala Cys Gln Tyr
115 120 125
Pro Thr Asn Cys Asp Leu Thr Lys Lys Lys Ser Asn Gln Met Cys Lys
130 135 140
Asn Ser Gln Asp Ile Ile Cys Ser Asn Ala Gly Thr Cys His Cys Gly
145 150 155 160
Arg Cys Lys Cys Asp Asn Ser Asp Gly Ser Gly Leu Val Tyr Gly Lys
165 170 175
Phe Cys Glu Cys Asp Asp Arg Glu Cys Ile Asp Asp Glu Thr Glu Glu
180 185 190
Ile Cys Gly Gly His Gly Lys Cys Tyr Cys Gly Asn Cys Tyr Cys Lys
195 200 205
Ala Gly Trp His Gly Asp Lys Cys Glu Phe Gln Cys Asp Ile Thr Pro
210 215 220

Trp Glu Ser Lys Arg Arg Cys Thr Ser Pro Asp Gly Lys Ile Cys Ser
 225 230 235 240
 Asn Arg Gly Thr Cys Val Cys Gly Glu Cys Thr Cys His Asp Val Asp
 245 250 255
 Pro Thr Gly Asp Trp Gly Asp Ile His Gly Asp Thr Cys Glu Cys Asp
 260 265 270
 Glu Arg Asp Cys Arg Ala Val Tyr Asp Arg Tyr Ser Asp Asp Phe Cys
 275 280 285
 Ser Gly His Gly Gln Cys Asn Cys Gly Arg Cys Asp Cys Lys Ala Gly
 290 295 300
 Trp Tyr Gly Lys Lys Cys Glu His Pro Gln Ser Cys ThrLeu Ser Ala
 305 310 315 320
 Glu Glu Ser Ile Arg Lys Cys Gln Gly Ser Ser Asp Leu Pro Cys Ser
 325 330 335
 Gly Arg Gly Lys Cys Glu Cys Gly Lys Cys Thr CysTyr Pro Pro Gly
 340 345 350
 Asp Arg Arg Val Tyr Gly Lys Thr Cys Glu Cys Asp Asp Arg Arg Cys
 355 360 365
 Glu Asp Leu Asp Gly Val Val Cys Gly Gly His Gly Thr Cys SerCys
 370 375 380
 Gly Arg Cys Val Cys Glu Arg Gly Trp Phe Gly Lys Leu Cys Gln His
 385 390 395 400
 Pro Arg Lys Cys Asn Met Thr Glu Glu Gln Ser Lys Asn Leu Cys Glu
 405 410 415
 Ser Ala Asp Gly Ile Leu Cys Ser Gly Lys Gly Ser Cys His Cys Gly
 420 425 430
 Lys Cys Ile Cys Ser Ala Glu Glu Trp Tyr Ile Ser Gly Glu Phe Cys
 435 440 445
 Asp Cys Asp Asp Arg Asp Cys Asp Lys His Asp Gly Leu Ile Cys Thr
 450 455 460
 Gly Asn Gly Ile Cys Ser Cys Gly Asn Cys Glu Cys Trp Asp Gly Trp
 465 470 475 480
 Asn Gly Asn Ala Cys Glu Ile Trp Leu Gly Ser Glu Tyr Pro
 485 490

<210> 766
 <211> 164
 <212> PRT

<213> Homo sapiens

<400> 766

```
Met Thr Thr Trp Ser Cys Leu Val Ala Met IleVal Ser Gly Val Ile
  1           5           10           15

Thr Ala Val Trp Ala Val Arg Ala Ala Pro Ile Trp Arg Ser Gln Val
      20           25           30

Lys Gln Lys Met Arg Ile Gly Lys Gln Gly Asn CysArg Pro Pro Arg
      35           40           45

Cys Ile Cys Ser Ala Leu Gly Leu Leu Ala Pro Trp Met Ala Val Val
      50           55           60

Leu Ser Gln Leu Ser Val Arg Cys Val Val Ser Trp Val Gln Gly Lys
      65           70           75           80

Pro Ser Ser Pro Arg Pro Arg Gly Ser Ala Ala Ser Pro Ala Pro Gly
      85           90           95

Ala Thr Pro Pro Thr Pro Arg Lys Pro Val Ser Trp Leu Gly Tyr Arg
      100          105          110

Glu Asn His Arg Pro Lys Lys Pro Lys Ser Cys Thr Arg Leu Pro Gly
      115          120          125

Leu Pro Lys Leu Glu Pro Ser Ser Thr Leu Lys Gly Gln Asp Ser Trp
      130          135          140

Gln Met Gly His Gln Gln Asp Lys Thr Leu Trp Ser Trp Ala Ser Thr
      145          150          155          160

Gly Gly Ser Ser
```

<210> 767

<211> 56

<212> PRT

<213> Homo sapiens

<400> 767

```
Met Pro Leu Glu Glu Ser Phe Glu Ile Val Leu Lys Leu Val Pro Leu
  1           5           10           15

Leu Gly Leu Glu Leu Phe Phe Phe Leu Phe Ile Ile Asn Gly Tyr Ile
      20           25           30

Asn Val Tyr Cys Pro Ser Gln Tyr Phe Ile Tyr Ala Lys Asp Ser Leu
      35           40           45

Ala Gly Leu Ala Leu Ile Pro Gln
      50           55
```

<210> 768
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 768
 Met Val Ala Met Val Phe Leu Lys Ile Ser Val Leu Pro Leu Met Cys
 1 5 10 15
 Arg Gly Gln Thr Lys His Lys Val Leu Arg Asp His Ala Tyr Pro Arg
 20 25 30
 Val Ser Gln Lys Arg Gly His Ile
 35 40

<210> 769
 <211> 624
 <212> PRT
 <213> Homo sapiens

<400> 769
 Met Glu Ile Pro Gly Ser Leu Cys Lys Lys Val Lys Leu Ser Asn Asn
 1 5 10 15
 Ala Gln Asn Trp Gly Met Gln Arg Ala Thr Asn Val Thr Tyr Gln Ala
 20 25 30
 His His Val Ser Arg Asn Lys Arg Gly Gln Val Val Gly Thr Arg Gly
 35 40 45
 Gly Phe Arg Gly Cys Thr Val Trp Leu Thr Gly Leu Ser Gly Ala Gly
 50 55 60
 Lys Thr Thr Val Ser Met Ala Leu Glu Glu Tyr Leu Val Cys His Gly
 65 70 75 80
 Ile Pro Cys Tyr Thr Leu Asp Gly Asp Asn Ile Arg Gln Gly Leu Asn
 85 90 95
 Lys Asn Leu Gly Phe Ser Pro Glu Asp Arg Glu Glu Asn Val Arg Arg
 100 105 110
 Ile Ala Glu Val Ala Lys Leu Phe Ala Asp Ala Gly Leu Val Cys Ile
 115 120 125
 Thr Ser Phe Ile Ser Pro Tyr Thr Gln Asp Arg Asn Asn Ala Arg Gln
 130 135 140
 Ile His Glu Gly Ala Ser Leu Pro PhePhe Glu Val Phe Val Asp Ala
 145 150 155 160
 Pro Leu His Val Cys Glu Gln Arg Asp Val Lys Gly Leu Tyr Lys Lys
 165 170 175

Ala Arg Ala Gly Glu Ile Lys Gly Phe Thr Gly Ile Asp Ser Glu Tyr
 180 185 190
 Glu Lys Pro Glu Ala Pro Glu Leu Val Leu Lys Thr Asp Ser Cys Asp
 195 200 205
 Val Asn Asp Cys Val Gln Gln Val Val Glu Leu Leu Gln Glu Arg Asp
 210 215 220
 Ile Val Pro Val Asp Ala Ser Tyr Glu Val Lys Glu Leu Tyr Val Pro
 225 230 235 240
 Glu Asn Lys Leu His Leu Ala Lys Thr Asp Ala Glu Thr Leu Pro Ala
 245 250 255
 Leu Lys Ile Asn Lys Val Asp Met Gln Trp Val Gln Val Leu Ala Glu
 260 265 270
 Gly Trp Ala Thr Pro Leu Asn Gly Phe Met Arg Glu Arg Glu Tyr Leu
 275 280 285
 Gln Cys Leu His Phe Asp Cys Leu Leu Asp Gly Gly Val Ile Asn Leu
 290 295 300
 Ser Val Pro Ile Val Leu Thr Ala Thr His Glu Asp Lys Glu Arg Leu
 305 310 315 320
 Asp Gly Cys Thr Ala Phe Ala Leu Met Tyr Glu Gly Arg Arg Val Ala
 325 330 335
 Ile Leu Arg Asn Pro Glu Phe Phe Glu His Arg Lys Glu Glu Arg Cys
 340 345 350
 Ala Arg Gln Trp Gly Thr Thr Cys Lys Asn His Pro Tyr Ile Lys Met
 355 360 365
 Val Met Glu Gln Gly Asp Trp Leu Ile Gly Gly Asp Leu Gln Val Leu
 370 375 380
 Asp Arg Val Tyr Trp Asn Asp Gly Leu Asp Gln Tyr Arg Leu Thr Pro
 385 390 395 400
 Thr Glu Leu Lys Gln Lys Phe Lys Asp Met Asn Ala Asp Ala Val Phe
 405 410 415
 Ala Phe Gln Leu Arg Asn Pro Val His Asn Gly His Ala Leu Leu Met
 420 425 430
 Gln Asp Thr His Lys Gln Leu Leu Glu Arg Gly Tyr Arg Arg Pro Val
 435 440 445
 Leu Leu Leu His Pro Leu Gly Gly Trp Thr Lys Asp Asp Asp Val Pro
 450 455 460
 Leu Met Trp Arg Met Lys Gln His Ala Ala Val Leu Glu Glu Gly Val
 465 470 475 480

Leu Asn Pro Glu Thr Thr Val Val Ala Ile Phe Pro Ser Pro Met Met
 485 490 495
 Tyr Ala Gly Pro Thr Glu Val Gln Trp His Cys Arg Ala Arg Met Val
 500 505 510
 Ala Gly Ala Asn Phe Tyr Ile Val Gly Arg Asp Pro Ala Gly Met Pro
 515 520 525
 His Pro Glu Thr Gly Lys Asp Leu Tyr Glu Pro Ser His Gly Ala Lys
 530 535 540
 Val Leu Thr Met Ala Pro Gly Leu Ile Thr Leu Glu Ile Val Pro Phe
 545 550 555 560
 Arg Val Ala Ala Tyr Asn Lys Lys Lys Lys Arg Met Asp Tyr Tyr Asp
 565 570 575
 Ser Glu His His Glu Asp Phe Glu Phe Ile Ser Gly Thr Arg Met Arg
 580 585 590
 Lys Leu Ala Arg Glu Gly Gln Lys Pro Pro Glu Gly Phe Met Ala Pro
 595 600 605
 Lys Ala Trp Thr Val Leu Thr Glu Tyr Tyr Lys Ser Leu Glu Lys Ala
 610 615 620

<210> 770
 <211> 131
 <212> PRT
 <213> Homo sapiens

<400> 770
 Met Leu Phe Val Phe Cys Cys Thr Val Phe Phe Val Cys Leu Phe Val
 1 5 10 15
 Tyr Leu Val Gly Phe Leu Glu Arg Glu Ile Trp Lys Arg Asp Ile His
 20 25 30
 Lys Ser Tyr Thr Pro Thr Phe Pro Phe Tyr His Asp Ile Gln Glu Glu
 35 40 45
 Thr Ser Arg Ala Lys Asn Gly Val Lys Lys Gly Ser Met Ala Gly Thr
 50 55 60
 Ser Lys Glu Leu Arg Ala Val Ala Leu Lys Asn Tyr Phe Phe Tyr Tyr
 65 70 75 80
 Tyr Phe Glu Ser Met Glu Val Phe His Ser Leu Gly Lys Gly Gly Lys
 85 90 95
 Ser Ala Phe Ile Phe Ile Gln Ser Tyr Leu Ile Thr Ser Lys Thr His

100 105 110
 Met Leu Glu Ile Ala Phe Ala Gly Ala Lys Tyr Ile Asn Glu Gln Glu
 115 120 125
 Tyr Ile His
 130

<210> 771
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 771
 Met Cys Val Cys Leu Ile Cys Ser Ile Cys Gln Phe Leu Trp Cys Lys
 1 5 10 15
 Tyr Ser His Tyr Ser Cys Phe Gln Ala Asn Ile Val Ile Pro Gln Lys
 20 25 30
 Met Glu Leu Gly Arg His Asn Gln Asp
 35 40

<210> 772
 <211> 79
 <212> PRT
 <213> Homo sapiens

<400> 772
 Met Pro Phe Ile Leu Leu Leu Val Cys Leu Thr Ser Leu Pro Ser Arg
 1 5 10 15
 Gly Tyr Asn Glu Lys Lys Leu Thr Asp Asn Ile Gln Cys Glu Ile Phe
 20 25 30
 Gln Val Leu Tyr Glu Glu Ala Thr Ala Ser Tyr Lys Glu Glu Ile Val
 35 40 45
 His Gln Leu Pro Ser Asn Lys Pro Glu Glu Leu Glu Asn Asn Val Asp
 50 55 60
 Gln Ile Leu Lys Trp Ile Glu Gln Trp Ile Lys Asp His Asn Ser
 65 70 75

<210> 773
 <211> 211
 <212> PRT
 <213> Homo sapiens

<400> 773
 Met Val Phe Leu Lys Phe Phe Cys Met Ser Phe Phe Cys His Leu Cys

1	5	10	15
Gln Gly Tyr Phe Asp Gly Pro Leu Tyr Pro Glu Met Ser Asn Gly Thr	20	25	30
Leu His His Tyr Phe Val Pro Asp Gly Asp Tyr Glu Glu Asn Asp Asp	35	40	45
Pro Glu Lys Cys Gln Leu Leu Phe Arg Val Ser Asp His Arg Arg Cys	50	55	60
Ser Gln Gly Glu Gly Ser Gln Val Gly Ser Leu Leu Ser Leu Thr Leu	65	70	75
Arg Glu Glu Phe Thr Val Leu Gly His Gln Val Glu Asp Ala Gly Arg	85	90	95
Val Leu Glu Gly Ile Ser Lys Ser Ile Ser Tyr Asp Leu Asp Gly Glu	100	105	110
Glu Ser Tyr Gly Lys Tyr Leu Arg Arg Glu Ser His Gln Ile Gly Asp	115	120	125
Ala Tyr Ser Asn Ser Asp Lys Ser Leu Thr Glu Leu Glu Ser Lys Phe	130	135	140
Lys Gln Gly Gln Glu Gln Asp Ser Arg Gln Glu Ser Arg Leu Asn Glu	145	150	155
Asp Phe Leu Gly Met Leu Val His Thr Arg Ser Leu Leu Lys Glu Thr	165	170	175
Leu Asp Ile Ser Val Gly Leu Arg Asp Lys Tyr Glu Leu Leu Ala Leu	180	185	190
Thr Ile Arg Ser His Gly Thr Arg Leu Gly Arg Leu Lys Asn Asp Tyr	195	200	205
Leu Lys Val	210		

<210> 774
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 774
Met Arg Cys Gly Glu Ile Ile Leu Ala Ser Val Leu Gly Leu Leu Leu
1 5 10 15
Thr Leu Pro Pro Thr Ser Cys His Leu Asn Lys Ser Phe Pro Phe Leu
20 25 30
Cys Leu Pro Trp Ser Gln Ala Leu Ser Leu Asn Pro His Ser Gly Asn
35 40 45

Glu Ala Gly
50

<210> 775

<211> 53

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (49)

<223> Xaa equals any of the naturally occurring amino acids

<400> 775

Met Ser His His Ala Gly Leu Gly Gly Gly Ile Leu Phe Ser Leu Lys
1 5 10 15

Ile Ser Phe Phe Ile Ala Leu Ala Val Val Gly Gly Ser Arg Gly Val
20 25 30

Asn Asp Cys Gln Leu Gly Gly Cys Arg Val Gly Ser Cys Pro Arg Val
35 40 45

Xaa Val Arg Val Ala
50

<210> 776

<211> 48

<212> PRT

<213> Homo sapiens

<400> 776

Met Met Leu Tyr Gln Asn Met Leu Leu Tyr Phe Arg Ile IleGly Val
1 5 10 15

Leu Ala Leu Asn Phe Ser Ile Ser Pro Ile Phe Phe His Gly Ser Leu
20 25 30

Gly Lys Leu Tyr Val Tyr Ser Ala Ala Lys Tyr Ser Leu Glu LeuLys
35 40 45

<210> 777

<211> 201

<212> PRT

<213> Homo sapiens

<400> 777

Met Lys Leu Leu Ile Leu Phe Leu Ser His Leu Leu Ser Leu Ala Phe
 1 5 10 15
 Gly Ile Leu Cys Leu Ser Val Thr Val Ile Leu Ser Leu Leu Leu Ser
 20 25 30
 Phe Ser Lys Arg Gly Phe Ser Val Arg Ser Phe Gly Thr Gly Thr His
 35 40 45
 Val Lys Leu Pro Gly Pro Ala Pro Asp Lys Pro Asn Val Tyr Asp Phe
 50 55 60
 Lys Thr Thr Tyr Asp Gln Met Tyr Asn Asp Leu Leu Arg Lys Asp Lys
 65 70 75 80
 Glu Leu Tyr Thr Gln Asn Gly Ile Leu His Met Leu Asp Arg Asn Lys
 85 90 95
 Arg Ile Lys Pro Arg Pro Glu Arg Phe Gln Asn Cys Lys Asp Leu Phe
 100 105 110
 Asp Leu Ile Leu Thr Cys Glu Glu Arg Val Tyr Asp Gln Val Val Glu
 115 120 125
 Asp Leu Asn Ser Arg Glu Gln Glu Thr Cys Gln Pro Val His Val Val
 130 135 140
 Asn Val Asp Ile Gln Asp Asn His Glu Glu Ala Thr Leu Gly Ala Phe
 145 150 155 160
 Leu Ile Cys Glu Leu Cys Gln Cys Ile Gln His Thr Glu Asp Met Glu
 165 170 175
 Asn Glu Ile Asp Glu Leu Leu Gln Glu Phe Glu Glu Lys Ser Gly Arg
 180 185 190
 Thr Phe Leu His Thr Val Cys Phe Tyr
 195 200

<210> 778
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 778
 Met Ser Tyr Ser Leu Phe Leu Ala Leu Leu Ser Phe Ala Ser Ala Ile
 1 5 10 15
 Leu Phe Val Ala Gly Thr Ile Ala Gly Thr Gly Gly Leu Ser Phe His
 20 25 30
 Gly Ile Ala Thr Ile Phe Val Leu Thr Gly Lys Trp
 35 40

<210> 779
 <211> 420
 <212> PRT
 <213> Homo sapiens

<400> 779
 Met Ala Pro Trp Pro Pro Lys Gly Leu Val Pro Ala Val Leu Trp Gly
 1 5 10 15
 Leu Ser Leu Phe Leu Asn Leu Pro Gly Pro Ile Trp Leu Gln Pro Ser
 20 25 30
 Pro Pro Pro Gln Ser Ser Pro Pro Pro Gln Pro His Pro Cys His Thr
 35 40 45
 Cys Arg Gly Leu Val Asp Ser Phe Asn Lys Gly Leu Glu Arg Thr Ile
 50 55 60
 Arg Asp Asn Phe Gly Gly Gly Asn Thr Ala Trp Glu Glu Glu Asn Leu
 65 70 75 80
 Ser Lys Tyr Lys Asp Ser Glu Thr Arg Leu Val Glu Val Leu Glu Gly
 85 90 95
 Val Cys Ser Lys Ser Asp Phe Glu Cys His Arg Leu Leu Glu Leu Ser
 100 105 110
 Glu Glu Leu Val Glu Ser Trp Trp Phe His Lys Gln Gln Glu Ala Pro
 115 120 125
 Asp Leu Phe Gln Trp Leu Cys Ser Asp Ser Leu Lys Leu Cys Cys Pro
 130 135 140
 Ala Gly Thr Phe Gly Pro Ser Cys Leu Pro Cys Pro Gly Gly Thr Glu
 145 150 155 160
 Arg Pro Cys Gly Gly Tyr Gly Gln Cys Glu Gly Glu Gly Thr Arg Gly
 165 170 175
 Gly Ser Gly His Cys Asp Cys Gln Ala Gly Tyr Gly Gly Glu Ala Cys
 180 185 190
 Gly Gln Cys Gly Leu Gly Tyr Phe Glu Ala Glu Arg Asn Ala Ser His
 195 200 205
 Leu Val Cys Ser Ala Cys Phe Gly Pro Cys Ala Arg Cys Ser Gly Pro
 210 215 220
 Glu Glu Ser Asn Cys Leu Gln Cys Lys Lys Gly Trp Ala Leu His His
 225 230 235 240
 Leu Lys Cys Val Asp Ile Asp Glu Cys Gly Thr Glu Gly Ala As Cys
 245 250 255
 Gly Ala Asp Gln Phe Cys Val Asn Thr Glu Gly Ser Tyr Glu Cys Arg
 260 265 270

Asp Cys Ala Lys Ala Cys Leu Gly Cys Met Gly Ala Gly Pro Gly Arg
 275 280 285
 Cys Lys Lys Cys Ser Pro Gly Tyr Gln Gln Val Gly Ser Lys Cys Leu
 290 295 300
 Asp Val Asp Glu Cys Glu Thr Glu Val Cys Pro Gly Glu Asn Lys Gln
 305 310 315 320
 Cys Glu Asn Thr Glu Gly Gly Tyr Arg Cys Ile Cys Ala Glu Gly Tyr
 325 330 335
 Lys Gln Met Glu Gly Ile Cys Val Lys Glu Gln Ile Pro Glu Ser Ala
 340 345 350
 Gly Phe Phe Ser Glu Met Thr Glu Asp Glu Leu Val Val Leu Gln Gln
 355 360 365
 Met Phe Phe Gly Ile Ile Ile Cys Ala Leu Ala Thr Leu Ala Ala Lys
 370 375 380
 Gly Asp Leu Val Phe Thr Ala Ile Phe Ile Gly Ala Val Ala Ala Met
 385 390 395 400
 Thr Gly Tyr Trp Leu Ser Glu Arg Ser Asp Arg Val Leu Glu Gly Phe
 405 410 415
 Ile Lys Gly Arg
 420

<210> 780
 <211> 387
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (228)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (359)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 780
 Met Gly Ala Phe Leu Asp Lys Pro Lys Thr Glu Lys His Asn Ala His
 1 5 10 15
 Gly Ala Gly Asn Gly Leu Arg Tyr Gly Leu Ser Ser Met En Gly Trp
 20 25 30
 Arg Val Glu Met Glu Asp Ala His Thr Ala Val Val Gly Ile Pro His
 35 40 45

Gly	Leu	Glu	Asp	Trp	Ser	Phe	Phe	Ala	Val	Tyr	Asp	Gly	His	Ala	Gly	
	50					55					60					
Ser	Arg	Val	Ala	Asn	Tyr	Cys	Ser	Thr	His	Leu	Leu	Glu	His	Ile	Thr	
65					70					75					80	
Thr	Asn	Glu	Asp	Phe	Arg	Ala	Ala	Gly	Lys	Ser	Gly	Ser	Ala	Leu	Glu	
				85					90					95		
Leu	Ser	Val	Glu	Asn	Val	Lys	Asn	Gly	Ile	Arg	Thr	Gly	Phe	Leu	Lys	
			100					105					110			
Ile	Asp	Glu	Tyr	Met	Arg	Asn	Phe	Ser	Asp	Leu	Arg	Asn	Gly	Met	Asp	
		115					120					125				
Arg	Ser	Gly	Ser	Thr	Ala	Val	Gly	Val	Met	Ile	Ser	Pro	Lys	His	Ile	
	130					135					140					
Tyr	Phe	Ile	Asn	Cys	Gly	Asp	Ser	Arg	Ala	Val	Leu	Tyr	Arg	Asn	Gly	
145					150					155					160	
Gln	Val	Cys	Phe	Ser	Thr	Gln	Asp	His	Lys	Pro	Cys	Asn	Pro	Arg	Glu	
				165					170					175		
Lys	Glu	Arg	Ile	Gln	Asn	Ala	Gly	Gly	Ser	Val	Met	Ile	Gln	Arg	Val	
			180					185					190			
Asn	Gly	Ser	Leu	Ala	Val	Ser	Arg	Ala	Leu	Gly	Asp	Tyr	Asp	Tyr	Lys	
		195					200					205				
Cys	Val	Asp	Gly	Lys	Gly	Pro	Thr	Glu	Gln	Leu	Val	Ser	Pro	Glu	Pro	
	210					215					220					
Glu	Val	Tyr	Xaa	Ile	Leu	Arg	Ala	Glu	Glu	Asp	Glu	Phe	Ile	Ile	Leu	
225					230					235					240	
Ala	Cys	Asp	Gly	Ile	Trp	Asp	Val	Met	Ser	Asn	Glu	Glu	Leu	Cys	Glu	
				245					250					255		
Tyr	Val	Lys	Ser	Arg	Leu	Glu	Val	Ser	Asp	Asp	Leu	Glu	Asn	Val	Cys	
			260					265					270			
Asn	Trp	Val	Val	Asp	Thr	Cys	Leu	His	Lys	Gly	Ser	Arg	Asp	Asn	Met	
		275					280					285				
Ser	Ile	Val	Leu	Val	Cys	Phe	Ser	Asn	Ala	Pro	Lys	Val	Ser	Asp	Glu	
	290					295					300					
Ala	Val	Lys	Lys	Asp	Ser	Glu	Leu	Asp	Lys	His	Leu	Glu	Ser	Arg	Val	
305					310					315					320	
Glu	Glu	Ile	Met	Glu	Lys	Ser	Gly	Glu	Glu	Gly	Met	Pro	Asp	Leu	Ala	
				325					330					335		
His	Val	Met	Arg	Ile	Leu	Ser	Ala	Glu	Asn	Ile	Pro	Asn	Leu	Pro	Pro	
			340					345					350			

Gly Gly Gly Leu Ala Gly Xaa Arg Asn Val Ile Glu Ala Val Tyr Ser
355 360 365

Arg Leu Asn Pro His Arg Glu Ser Asp Gly Gly Ala Gly Asp Leu Glu
370 375 380

Asp Pro Trp
385

<210> 781
<211> 49
<212> PRT
<213> Homo sapiens

<400> 781
Met Gly Val Gly Val Leu Arg Ile Leu Leu Ser Cys Leu Gly Glu Ala
1 5 10 15

Ala Pro Lys Ser Ala Gly Thr Ser Leu Glu Ser Ala Lys Glu Cys Trp
20 25 30

Ser Ala Ala Thr Leu Leu Val Leu Cys Val Leu Cys Gln Leu Gln His
35 40 45

Gly

<210> 782
<211> 47
<212> PRT
<213> Homo sapiens

<400> 782
Met Ile Asn Glu Trp Cys Phe Lys Leu Leu Ser Leu Trp Ser Phe Ala
1 5 10 15

Tyr Ser Asn Cys Lys Leu Ile His Lys Cys Lys Phe Val Phe Leu Lys
20 25 30

Lys Lys Lys Thr Gly Lys Glu Val Ser Val Lys Gly Ser Lys Leu
35 40 45

<210> 783
<211> 159
<212> PRT
<213> Homo sapiens

<400> 783
Met Leu Leu Leu Leu Ile Phe Trp Ile Ala Pro Ala His Gly Pro Thr
1 5 10 15

Asn Ile Met Val Tyr Ile Ser Ile Cys Ser Leu Leu Gly Ser Phe Thr
 20 25 30
 Val Pro Ser Thr Lys Gly Ile Gly Leu Ala Ala Gln Asp Ile Leu His
 35 40 45
 Asn Asn Pro Ser Ser Gln Arg Ala Leu Cys Leu Cys Leu Val Leu Leu
 50 55 60
 Ala Val Leu Gly Cys Ser Ile Ile Val Gln Phe Arg Tyr Ile Asn Lys
 65 70 75 80
 Ala Leu Glu Cys Phe Asp Ser Ser Val Phe Gly Ala Ile Tyr Tyr Val
 85 90 95
 Val Phe Thr Thr Leu Val Leu Leu Ala Ser Ala Ile Leu Phe Arg Glu
 100 105 110
 Trp Ser Asn Val Gly Leu Val Asp Phe Leu Gly Met Ala Cys Gly Phe
 115 120 125
 Thr Thr Val Ser Val Gly Ile Val Leu Ile Gln Val Phe Lys Glu Phe
 130 135 140
 Asn Phe Asn Leu Gly Glu Met Asn Lys Ser Asn Met Lys Thr Asp
 145 150 155

<210> 784
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 784
 Met Thr Val Arg Arg Leu Ser Leu Leu Cys Arg Asp Leu Trp Ala Leu
 1 5 10 15
 Trp Leu Leu Leu Lys Ala Gly Ala Val Arg Gly Ala Arg Ala Gly Pro
 20 25 30
 Arg Leu Pro Gly Arg Cys Cys Gly Ala Thr Cys Gly Asp Ala Gly Arg
 35 40 45
 Gly Trp Thr Phe Trp Ala Gln Pro Cys Pro Gln Arg Leu Leu Gly Gln
 50 55 60
 Lys Pro Gly Ala Gly Gly Cys Arg Gly Trp Val Leu Gly Trp Val Pro
 65 70 75 80
 Pro Arg Pro Glu Glu Pro Cys Ser Leu Ala Gly Lys Val Cys Thr Gly
 85 90 95
 Leu Ala Arg Trp Met Val
 100

<210> 785
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (11)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 785
 Met Cys Lys Ala Val Cys Lys His Arg Leu Xaa Leu Phe Ala Val Ser
 1 5 10 15
 Ser Phe Ser Leu Gly Leu Gly Trp Val Cys Val Leu Val Leu Met Leu
 20 25 30
 Trp Pro Val Arg Leu Ser Leu Ala Pro Arg Pro Val Gln Leu Gln Gln
 35 40 45
 Arg Arg Ser His Cys
 50

<210> 786
 <211> 472
 <212> PRT
 <213> Homo sapiens

<400> 786
 Met Lys Phe Leu Ile Phe Ala Phe Phe Gly Gly Val His Leu Leu Ser
 1 5 10 15
 Leu Cys Ser Gly Lys Ala Ile Cys Lys Asn Gly Ile Ser Lys Arg Thr
 20 25 30
 Phe Glu Glu Ile Lys Glu Glu Ile Ala Ser Cys Gly Asp Val Ala Lys
 35 40 45
 Ala Ile Ile Asn Leu Ala Val Tyr Gly Lys Ala Gln Asn Arg Ser Tyr
 50 55 60
 Glu Arg Leu Ala Leu Leu Val Asp Thr Val Gly Pro Arg Leu Ser Gly
 65 70 75 80
 Ser Lys Asn Leu Glu Lys Ala Ile Gln Ile Met Tyr Gln Asn Leu Leu
 85 90 95
 Gln Asp Gly Leu Glu Lys Val His Leu Glu Pro Val Arg Ile Pro His
 100 105 110
 Trp Glu Arg Gly Glu Glu Ser Ala Val Met Leu Glu Pro Arg Ile His
 115 120 125

Lys Ile Ala Ile Leu Gly Leu Gly Ser Ser Ile Gly Thr Pro Pro Glu
 130 135 140
 Gly Ile Thr Ala Glu Val Leu Val Val Thr Ser Phe Asp Glu Leu Gln
 145 150 155 160
 Arg Arg Ala Ser Glu Ala Arg Gly Lys Ile Val Val Tyr Asn Gln Pro
 165 170 175
 Tyr Ile Asn Tyr Ser Arg Thr Val Gln Tyr Arg Thr Gln Gly Ala Val
 180 185 190
 Glu Ala Ala Lys Val Gly Ala Leu Ala Ser Leu Ile Arg Ser Val Ala
 195 200 205
 Ser Phe Ser Ile Tyr Ser Pro His Thr Gly Ile Gln Glu Tyr Gln Asp
 210 215 220
 Gly Val Pro Lys Ile Pro Thr Ala Cys Ile Thr Val Glu Asp Ala Glu
 225 230 235 240
 Met Met Ser Arg Met Ala Ser His Gly Ile Lys Ile Val Ile Gln Leu
 245 250 255
 Lys Met Gly Ala Lys Thr Tyr Pro Asp Thr Asp Ser Phe Asn Thr Val
 260 265 270
 Ala Glu Ile Thr Gly Ser Lys Tyr Pro Glu Gln Val Val Leu Val Ser
 275 280 285
 Gly His Leu Asp Ser Trp Asp Val Gly Gln Gly Ala Met Asp Asp Gly
 290 295 300
 Gly Gly Ala Phe Ile Ser Trp Glu Ala Leu Ser Leu Ile Lys Asp Leu
 305 310 315 320
 Gly Leu Arg Pro Lys Arg Thr Leu Arg Leu Val Leu Trp Thr Ala Glu
 325 330 335
 Glu Gln Gly Gly Val Gly Ala Phe Gln Tyr Tyr Gln Leu His Lys Val
 340 345 350
 Asn Ile Ser Asn Tyr Ser Leu Val Met Glu Ser Asp Ala Gly Thr Phe
 355 360 365
 Leu Pro Thr Gly Leu Gln Phe Thr Gly Ser Glu Lys Ala Arg Ala Ile
 370 375 380
 Met Glu Glu Val Met Ser Leu Leu Gln Pro Leu Asn Ile Thr Gln Val
 385 390 395 400
 Leu Ser His Gly Glu Gly Thr Asp Ile Asn Phe Trp Ile Gln Ala Gly
 405 410 415
 Val Pro Gly Ala Ser Leu Leu Asp Asp Leu Tyr Lys Tyr Phe Phe Phe
 420 425 430

His His Ser His Gly Asp Thr Met Thr Val Met Asp Pro Lys Gln Met
435 440 445

Asn Val Ala Ala Ala Val Trp Ala Val Val Ser Tyr Val Val Ala Asp
450 455 460

Met Glu Glu Met Leu Pro Arg Ser
465 470

<210> 787
<211> 83
<212> PRT
<213> Homo sapiens

<400> 787
Met Lys Lys Val Cys Trp Val Trp AlaLeu Ala His Leu Val Leu Cys
1 5 10 15

Glu Arg Trp Leu Thr Ala Gly Cys Leu Leu Tyr Val Gly Val Ile Gln
20 25 30

Pro Cys Lys Gly Ser Pro Ser Ser Val CysLys Ala Arg Arg Cys Leu
35 40 45

His Pro Lys Tyr Arg Ile Lys Arg Tyr Gly Tyr Tyr Lys Tyr Ser Val
50 55 60

Arg Leu Ile Ile Cys His His His Pro His Ala Leu Lys Ala GluLeu
65 70 75 80

Thr Asp Asp

<210> 788
<211> 359
<212> PRT
<213> Homo sapiens

<400> 788
Met Lys Leu Gly Cys Val Leu Met Ala Trp Ala Leu Tyr Leu Ser Leu
1 5 10 15

Gly Val Leu Trp Val Ala Gln Met Leu Leu Ala Ala Ser Phe Glu Thr
20 25 30

Leu Gln Cys Glu Gly Pro Val Cys Thr Glu Glu Ser Ser Cys His Thr
35 40 45

Glu Asp Asp Leu Thr Asp Ala Arg Glu Ala Gly Phe Gln Val Lys Ala
50 55 60

Tyr Thr Phe Ser Glu Pro Phe His Leu Ile Val Ser Tyr Asp Trp Leu
65 70 75 80

Ile Leu Gln Gly Pro Ala Lys Pro Val Phe Glu Gly Asp Leu Leu Val
 85 90 95
 Leu Arg Cys Gln Ala Trp Gln Asp Trp Pro Leu Thr Gln Val Thr Phe
 100 105 110
 Tyr Arg Asp Gly Ser Ala Leu Gly Pro Pro Gly Pro Asn Arg Glu Phe
 115 120 125
 Ser Ile Thr Val Val Gln Lys Ala Asp Ser Gly His Tyr His Cys Ser
 130 135 140
 Gly Ile Phe Gln Ser Pro Gly Pro Gly Ile Pro Glu Thr Ala Ser Val
 145 150 155 160
 Val Ala Ile Thr Val Gln Glu Leu Phe Pro Ala Pro Ile Leu Arg Ala
 165 170 175
 Val Pro Ser Ala Glu Pro Gln Ala Gly Gly Pro Met Thr Leu Ser Cys
 180 185 190
 Gln Thr Lys Leu Pro Leu Gln Arg Ser Ala Ala Arg Leu Leu Phe Ser
 195 200 205
 Phe Tyr Lys Asp Gly Arg Ile Val Gln Ser Arg Gly Leu Ser Ser Glu
 210 215 220
 Phe Gln Ile Pro Thr Ala Ser Glu Asp His Ser Gly Ser Tyr Trp Cys
 225 230 235 240
 Glu Ala Ala Thr Glu Asp Asn Gln Val Trp Lys Gln Ser Pro Gln Leu
 245 250 255
 Glu Ile Arg Val Gln Gly Ala Ser Ser Ser Ala Ala Pro Pro Thr Leu
 260 265 270
 Asn Pro Ala Pro Gln Lys Ser Ala Ala Pro Gly Thr Ala Pro Glu Glu
 275 280 285
 Ala Pro Gly Pro Leu Pro Pro Pro Pro Thr Pro Ser Ser Glu Asp Pro
 290 295 300
 Gly Phe Ser Ser Pro Leu Gly Met Pro Asp Pro His Leu Tyr His Gln
 305 310 315 320
 Met Gly Leu Leu Leu Lys His Met Gln Asp Val Arg Val Leu Leu Gly
 325 330 335
 His Leu Leu Met Glu Leu Arg Glu Leu Ser Gly His Arg Lys Pro Gly
 340 345 350
 Thr Thr Lys Ala Thr Ala Glu
 355

<210> 789
 <211> 192
 <212> PRT
 <213> Homo sapiens

<400> 789
 Met Glu Ala Leu Leu Gln Ser Leu Val Ile Val Leu Leu Gly Phe Lys
 1 5 10 15
 Ser Phe Leu Ser Glu Glu Leu Gly Ser Glu Val Leu Asn Leu Leu Thr
 20 25 30
 Asn Lys Gln Tyr Glu Leu Leu Ser Lys Asn Leu Arg Lys Thr Arg Glu
 35 40 45
 Leu Phe Val His Gly Leu Pro Gly Ser Gly Lys Thr Ile Leu Ala Leu
 50 55 60
 Arg Ile Met Glu Lys Ile Arg Asn Val Phe His Cys Glu Pro Ala Asn
 65 70 75 80
 Ile Leu Tyr Ile Cys Glu Asn Gln Pro Leu Lys Lys Leu Val Ser Phe
 85 90 95
 Ser Lys Lys Asn Ile Cys Gln Pro Val Thr Arg Lys Thr Phe Met Lys
 100 105 110
 Asn Asn Phe Glu His Ile Gln His Ile Ile Ile Asp Asp Ala Gln Asn
 115 120 125
 Phe Arg Thr Glu Asp Gly Asp Trp Tyr Gly Lys Ala Lys Phe Ile Thr
 130 135 140
 Gln Thr Ala Arg Asp Gly Pro Gly Val Leu Trp Ile Phe Leu Asp Tyr
 145 150 155 160
 Phe Gln Thr Tyr His Leu Ser Cys Ser Ala Ser Pro Leu Pro Gln Thr
 165 170 175
 Ser Ile Gln Glu Lys Arg Ser Thr Glu Trp Ser Ala Met Gln Val Gln
 180 185 190

<210> 790
 <211> 379
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (283)
 <223> Xaa equals any of the naturally occurring amino acids

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<220>
<221> SITE
<222> (303)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (307)
<223> Xaa equals any of the naturally occurring amino acids

<400> 790
Met Gly Tyr Ile Asp Asp Pro Asp Lys Tyr His Gln Gly Phe Glu Leu
 1             5             10             15

Leu Leu Ser Ala Leu Gly Asp Pro Ser Glu Arg Val Val Ser Ala Thr
          20             25             30

His Gln Val Phe Leu Pro Ala Tyr Ala Ala Trp Thr Thr Glu Leu Gly
          35             40             45

Asn Leu Gln Ser His Leu Ile Leu Thr Leu Leu Asn Lys Ile Glu Lys
 50             55             60

Leu Leu Arg Glu Gly Glu His Gly Leu Asp Glu His Lys Leu His Met
 65             70             75             80

Tyr Leu Ser Ala Leu Gln Ser Leu Ile Pro Ser Leu Phe Ala Leu Val
          85             90             95

Leu Gln Asn Ala Pro Phe Ser Ser Lys Ala Lys Leu His Gly Glu Val
          100            105            110

Pro Gln Ile Glu Val Thr Arg Phe Pro Arg Pro Met Ser Pro Leu Gln
          115            120            125

Asp Val Ser Thr Ile Ile Gly Ser Arg Glu Gln Leu Ala Val Leu Leu
          130            135            140

Gln Leu Tyr Asp Tyr Gln Leu Glu Gln Glu Gly Thr Thr Gly Trp Glu
          145            150            155            160

Ser Leu Leu Trp Val Val Asn Gln Leu Leu Pro Gln Leu Ile Glu Ile
          165            170            175

Val Gly Lys Ile Asn Val Thr Ser Thr Ala Cys Val His Glu Phe Ser
          180            185            190

Arg Phe Phe Trp Arg Leu Cys Arg Thr Phe Gy Lys Ile Phe Thr Asn
          195            200            205

Thr Lys Val Lys Pro Gln Phe Gln Glu Ile Leu Arg Leu Ser Glu Glu
          210            215            220

Asn Ile Asp Ser Ser Ala Gly Asn Gly Val Leu Thr Lys Ala Thr Al
          225            230            235            240

Pro Ile Tyr Ala Thr Gly Val Leu Thr Cys Tyr Ile Gln Glu Glu Asp

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	245		250		255										
Arg	Lys	Leu	Leu	Val	Gly	Phe	Leu	Glu	Asp	Val	Met	Thr	Leu	Leu	Ser
			260					265					270		
Leu	Ser	His	Ala	Pro	Leu	Asp	Ser	Leu	Lys	Xaa	Ser	Phe	Val	Glu	Leu
		275					280					285			
Gly	Ala	Asn	Gln	Ala	Tyr	His	Glu	Leu	Leu	Leu	Thr	Val	Leu	Xaa	Tyr
	290					295					300				
Gly	Val	Xaa	His	Thr	Ser	Ala	Leu	Val	Arg	Cys	Thr	Ala	Ala	Arg	Met
305					310					315					320
Phe	Glu	Leu	Leu	Val	Lys	Gly	Val	Asn	Glu	Thr	Leu	Val	Ala	Gln	Arg
				325					330					335	
Val	Val	Pro	Ala	Leu	Ile	Thr	Leu	Ser	Ser	Asp	Pro	Glu	Ile	Ser	Val
			340					345					350		
Arg	Ile	Ala	Thr	Ile	Pro	Ala	Phe	Gly	Thr	Ile	Met	Glu	Thr	Val	Ile
	355						360					365			
Gln	Arg	Glu	Leu	Leu	Glu	Arg	Val	Lys	Met	Gln					
	370					375									

<210> 791
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 791															
Met	Ser	Thr	Val	Thr	Trp	Leu	Leu	Lys	Leu	Phe	Thr	Gln	Phe	Met	Phe
1				5					10					15	
Pro	Pro	Thr	Val	Ser	Asn	Ser	His	Thr	Cys	Ala	Arg	Tyr	Tyr	Val	Phe
			20					25					30		
Asn	Phe	Cys	Leu	Ile	Ile	Ser	Phe	Asn	Phe	Asn	Phe	His	Tyr	His	Trp
		35					40					45			

<210> 792
 <211> 41
 <212> PRT
 <213> Homo sapiens

<400> 792															
Met	Lys	Ile	Leu	Ile	Leu	Phe	Ile	Phe	Ile	Pro	Gly	Leu	Leu	Val	Glu
1				5					10					15	

Lys Asn Gly Pro Asp His Val Cys Val Cys Met Cys Val Arg Val Cys
20 25 30

Val Cys Ala His Leu Gly Leu Phe Ile
35 40

<210> 793
<211> 100
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (92)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (96)
<223> Xaa equals any of the naturally occurring amino acids

<400> 793
Met Phe Val Ala Val Phe Tyr Trp Val Leu Thr Val Phe Phe Leu Ile
1 5 10 15
Ile Tyr Ile Thr Met Thr Tyr Thr Arg Ile Pro Gln Val Pro Trp Thr
20 25 30
Thr Val Gly Leu Cys Phe Asn Gly Ser Ala Phe Val Leu Tyr Leu Ser
35 40 45
Ala Ala Val Val Asp Ala Ser Ser Val Ser Pro Glu Lys Asp Ser His
50 55 60
Asn Phe Asn Ser Trp Ala Ala Ser Ser Phe Phe Ala Phe Leu Val Thr
65 70 75 80
Ile Cys Tyr Ala Gly Asn Thr Tyr Phe Ser Phe Xaa Ala Trp Arg Xaa
85 90 95
Arg Thr Ile Gln
100

<210> 794
<211> 142
<212> PRT
<213> Homo sapiens

<400> 794
Met Gly Cys Leu Val Trp Gly Pro Ser Trp Pro Pro Leu Ser Leu Leu
1 5 10 15
Ala Ser Leu Leu His Ser Gly Ile Ala Gly Arg Cys Leu Leu Cys Leu

20										25					30															
Phe	Lys	Gly	Leu	Ala	Ala	Ala	Ala	Ser	Leu	Gln	Ile	Arg	Asp	Leu	Ala															
		35					40					45																		
Ser	Arg	Leu	Thr	Thr	Gly	Pro	Arg	Thr	Cys	Arg	Val	Gln	Pro	Pro	Pro															
	50					55					60																			
His	Pro	Gln	Ser	Ser	Pro	Pro	Trp	Pro	Gly	Pro	Pro	Gly	Ala	Glu	Thr															
	65				70					75					80															
Cys	Arg	Pro	Leu	Ser	Arg	Thr	Val	Gly	Gly	Val	Cys	Pro	Ser	Asp	Trp															
				85					90					95																
Pro	Val	Ser	Trp	Leu	Leu	Leu	Pro	Pro	Leu	Pro	Glu	Val	Val	Thr	Cys															
			100				105						110																	
Ser	Cys	Pro	Arg	Ile	Lys	Ala	Arg	Pro	Glu	Arg	Thr	Pro	Glu	Leu	Leu															
		115					120					125																		
Cys	Ala	Trp	Gly	Gly	Arg	Gly	Lys	His	Ser	Gln	Leu	Val	Ala																	
	130					135					140																			

<210> 795
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 795															
Met	Val	Tyr	Arg	Ala	Phe	Leu	Ile	Ile	Ile	Leu	Arg	Phe	Ile	Leu	Ile
1				5					10					15	
Phe	Leu	Phe	Lys	Leu	Asn	Tyr	Ser	Lys	Leu	Cys	Pro	Glu	Ile	Pro	Phe
			20					25					30		
Gly	Leu	Lys	Phe	Phe	Ser	Phe	Val	Cys	Ile	Lys	Val	Gln	Ile	Lys	Lys
		35					40					45			
Thr	Ser	Arg	Lys	Arg	Arg	Pro	Tyr	Leu							
	50					55									

<210> 796
 <211> 74
 <212> PRT
 <213> Homo sapiens

<400> 796															
Met	Thr	Asn	Val	Tyr	Ser	Leu	Asp	Gly	Ile	Leu	Val	Phe	Gly	Leu	Leu
1				5					10					15	
Phe	Val	Cys	Thr	Cys	Ala	Tyr	Phe	Lys	Lys	Val	Pro	Arg	Leu	Lys	Thr
			20					25					30		

Trp Leu Leu Ser Glu Lys Lys Gly Val Trp Gly Val Phe Tyr Lys Ala
35 40 45

Ala Val Ile Gly Thr Arg Leu His Ala Ala Val Ala Ile Ala Cys Val
50 55 60

Val Met Ala Phe Tyr Val Leu Phe Ile Lys
65 70

<210> 797
<211> 45
<212> PRT
<213> Homo sapiens

<400> 797
Met Leu Leu Gln Phe Ser Ile Phe Phe Ala Pro Val Val Cys Leu Pro
1 5 10 15

Lys Tyr Ser Pro Phe Met Lys Glu Glu Cys Lys Ala Asp Pro Thr Arg
20 25 30

Asp Tyr Lys Phe Leu Tyr Ile Tyr Ile Glu Arg Gly Thr
35 40 45

<210> 798
<211> 399
<212> PRT
<213> Homo sapiens

<400> 798
Met Gly Ile Leu Leu Gly Leu Leu Leu Leu Gly His Leu Thr Val Asp
1 5 10 15

Thr Tyr Gly Arg Pro Ile Leu Glu Val Pro Glu Ser Val Thr Gly Pro
20 25 30

Trp Lys Gly Asp Val Asn Leu Pro Cys Thr Tyr Asp Pro Leu Gln Gly
35 40 45

Tyr Thr Gln Val Leu Val Lys Trp Leu Val Gln Arg Gly Ser Asp Pro
50 55 60

Val Thr Ile Phe Leu Arg Asp Ser Ser Gly Asp His Ile Gln Gln Ala
65 70 75 80

Lys Tyr Gln Gly Arg Leu His Val Ser His Lys Val Pro Gly Asp Val
85 90 95

Ser Leu Gln Leu Ser Thr Leu Glu Met Asp Asp Arg Ser His Tyr Thr
100 105 110

Cys Glu Val Thr Trp Gln Thr Pro Asp Gly Asn Gln Val Val Arg Asp
115 120 125

Lys Ile Thr Glu Leu Arg Val Gln Lys Leu Ser Val Ser Lys Pro Thr
 130 135 140
 Val Thr Thr Gly Ser Gly Tyr Gly Phe Thr Val Pro Gln Gly Met Arg
 145 150 155 160
 Ile Ser Leu Gln Cys Gln Ala Arg Gly Ser Pro Pro Ile Ser Tyr Ile
 165 170 175
 Trp Tyr Lys Gln Gln Thr Asn Asn Gln Glu Pro Ile Lys Val Ala Thr
 180 185 190
 Leu Ser Thr Leu Leu Phe Lys Pro Ala Val Ile Ala Asp Ser Gly Ser
 195 200 205
 Tyr Phe Cys Thr Ala Lys Gly Gln Val Gly Ser Glu Gln His Ser Asp
 210 215 220
 Ile Val Lys Phe Val Val Lys Asp Ser Ser Lys Leu Leu Lys Thr Lys
 225 230 235 240
 Thr Glu Ala Pro Thr Thr Met Thr Tyr Pro Leu Lys Ala Thr Ser Thr
 245 250 255
 Val Lys Gln Ser Trp Asp Trp Thr Thr Asp Met Asp Gly Tyr Leu Gly
 260 265 270
 Glu Thr Ser Ala Gly Pro Gly Lys Ser Leu Pro Val Phe Ala Ile Ile
 275 280 285
 Leu Ile Ile Ser Leu Cys Cys Met Val Val Phe Thr Met Ala Tyr Ile
 290 295 300
 Met Leu Cys Arg Lys Thr Ser Gln Gln Glu His Val Tyr Glu Ala Ala
 305 310 315 320
 Arg Ala His Ala Arg Glu Ala Asn Asp Ser Gly Glu Thr Met Arg Val
 325 330 335
 Ala Ile Phe Ala Ser Gly Cys Ser Ser Asp Glu Pro Thr Ser Gln Asn
 340 345 350
 Leu Gly Asn Asn Tyr Ser Asp Glu Pro Cys Ile Gly Gln Glu Tyr Gln
 355 360 365
 Ile Ile Ala Gln Ile Asn Gly Asn Tyr Ala Arg Leu Leu Asp Thr Val
 370 375 380
 Pro Leu Asp Tyr Glu Phe Leu Ala Thr Glu Gly Lys Ser Val Cys
 385 390 395

<210> 799
 <211> 223
 <212> PRT

<213> Homo sapiens

<400> 799

```
Met Lys Phe Val Pro Cys Leu Leu Leu Val Thr Leu Ser Cys Leu Gly
  1          5          10          15

Thr Leu Gly Gln Ala Pro Arg Gln Lys Gln Gly Ser Thr Gly Glu Glu
          20          25          30

Phe His Phe Gln Thr Gly Gly Arg Asp Ser Cys Thr Met Arg Pro Ser
          35          40          45

Ser Leu Gly Gln Gly Ala Gly Glu Val Trp Leu Arg Val Asp Cys Arg
          50          55          60

Asn Thr Asp Gln Thr Tyr Trp Cys Glu Tyr Arg Gly Gln Pro Ser Met
          65          70          75          80

Cys Gln Ala Phe Ala Ala Asp Pro Lys Ser Tyr Trp Asn Gln Ala Leu
          85          90          95

Gln Glu Leu Arg Arg Leu His His Ala Cys Gln Gly Ala Pro Val Leu
          100          105          110

Arg Pro Ser Val Cys Arg Glu Ala Gly Pro Gln Ala His Met Gln Gln
          115          120          125

Val Thr Ser Ser Leu Lys Gly Ser Pro Glu Pro Asn Gln Gln Pro Glu
          130          135          140

Ala Gly Thr Pro Ser Leu Arg Pro Lys Ala Thr Val Lys Leu Thr Glu
          145          150          155          160

Ala Thr Gln Leu Gly Lys Asp Ser Met Glu Glu Leu Gly Lys Ala Lys
          165          170          175

Pro Thr Thr Arg Pro Thr Ala Lys Pro Thr Gln Pro Gly Pro Arg Pro
          180          185          190

Gly Gly Asn Glu Glu Ala Lys Lys Lys Ala Trp Glu His Cys Trp Lys
          195          200          205

Pro Phe Gln Ala Leu Cys Ala Phe Leu Ile Ser Phe Phe Arg Gly
          210          215          220
```

<210> 800

<211> 52

<212> PRT

<213> Homo sapiens

<400> 800

```
Met Pro Ser Leu Asn Leu Val Leu Arg Pro Leu Ile Cys Leu Ala Ser
  1          5          10          15

Ile Thr Ser Phe Leu Ile Phe Phe Pro Leu Leu Thr Leu Ile Leu Cys
```


Asp Phe Phe Thr Pro Gln Gln His Asp Lys Ser Lys Lys Pro Lys Lys
 35 40 45
 Asp Lys Lys Asn Lys Lys Ser Lys Gln Pro Leu Tyr Ser Ser Id Val
 50 55 60
 Thr Val Glu Ala Ser Lys Pro Asn Gly Gln Arg Tyr Asp Ser Val Asn
 65 70 75 80
 Glu Lys Leu Ser Asp Ser Pro Ser Met Gly Arg Tyr Arg Ser Val Asn
 85 90 95
 Gly Gly Pro Gly Ser Pro Asp Leu Ala Arg His Tyr Lys Ser Ser Ser
 100 105 110
 Pro Leu Pro Thr Val Gln Leu His Pro Gln Ser Pro Thr Ala Gly Lys
 115 120 125
 Lys His Gln Ala Val Gln Asp Leu Pro Pro Ala Asn Thr Phe Val Gly
 130 135 140
 Ala Gly Asp Asn Ile Ser Ile Gly Ser Asp His Cys Ser Glu Tyr Ser
 145 150 155 160
 Cys Gln Thr Asn Asn Lys Tyr Ser Lys Gln Met Arg Leu His Pro Tyr
 165 170 175
 Ile Thr Val Phe Gly
 180

<210> 803
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 803
 Met Gln Leu Thr Leu Gly Gly Ala Ala Val Gly Ala Gly Ala Val Leu
 1 5 10 15
 Ala Ala Ser Leu Leu Trp Ala Cys Ala Val Gly Leu Tyr Met Gly Gln
 20 25 30
 Leu Glu Leu Asp Val Glu Leu Val Pro Glu Asp Asp Gly Thr Ala Ser
 35 40 45
 Ala Glu Gly Pro Asp Glu Ala Gly Arg Pro Pro Pro Glu
 50 55 60

<210> 804
 <211> 58
 <212> PRT
 <213> Homo sapiens

<400> 804

Met Arg Thr Phe Leu Thr Phe Val Ile Leu Lys Val Ile Leu Ile Phe
1 5 10 15
Leu Ser Ser Cys Ala Ser Phe Thr Arg Asn Leu Leu Thr Trp Pro Asn
20 25 30
Asp Val Ser Thr Glu Gln Phe Glu Thr Arg Pro Phe Gly Ser Glu Leu
35 40 45
Leu Gln Thr Val Ile Asn Val Ser Arg Thr
50 55

<210> 805

<211> 950

<212> PRT

<213> Homo sapiens

<400> 805

Met Thr Trp Arg Met Gly Pro Arg Phe Thr Met Leu Leu Ala Met Trp
1 5 10 15
Leu Val Cys Gly Ser Glu Pro His Pro His Ala Thr Ile Arg Gly Ser
20 25 30
His Gly Gly Arg Lys Val Pro Leu Val Ser Pro Asp Ser Ser Arg Pro
35 40 45
Ala Arg Phe Leu Arg His Thr Gly Arg Ser Arg Gly Ile Glu Arg Ser
50 55 60
Thr Leu Glu Glu Pro Asn Leu Gln Pro Leu Gln Arg Arg Arg Ser Val
65 70 75 80
Pro Val Leu Arg Leu Ala Arg Pro Thr Glu Pro Pro Ala Arg Ser Asp
85 90 95
Ile Asn Gly Ala Ala Val Arg Pro Glu Gln Arg Pro Ala Ala Arg Gly
100 105 110
Ser Pro Arg Glu Met Ile Arg Asp Glu Gly Ser Ser Ala Arg Ser Arg
115 120 125
Met Leu Arg Phe Pro Ser Gly Ser Ser Ser Pro Asn Ile Leu Ala Ser
130 135 140
Phe Ala Gly Lys Asn Arg Val Trp Val Ile Ser Ala Pro His Ala Ser
145 150 155 160
Glu Gly Tyr Tyr Arg Leu Met Met Ser Leu Leu Lys Asp Asp Val Tyr
165 170 175
Cys Glu Leu Ala Glu Arg His Ile Gln Gln Ile Val Leu Phe His Gln
180 185 190

Ala Gly Glu Glu Gly Gly Lys Val Arg Arg Ile Thr Ser Glu Gly Gln
 195 200 205
 Ile Leu Glu Gln Pro Leu Asp Pro Ser Leu Ile Pro Lys Leu Met Ser
 210 215 220
 Phe Leu Lys Leu Glu Lys Gly Lys Phe Gly Met Val Leu Leu Lys Lys
 225 230 235 240
 Thr Leu Gln Val Glu Glu Arg Tyr Pro Tyr Pro Val Arg Leu Glu Ala
 245 250 255
 Met Tyr Glu Val Ile Asp Gln Gly Pro Ile Arg Arg Ile Glu Lys Ile
 260 265 270
 Arg Gln Lys Gly Phe Val Gln Lys Cys Lys Ala Ser Gly Val Glu Gly
 275 280 285
 Gln Val Val Ala Glu Gly Asn Asp Gly Gly Gly Gly Ala Gly Arg Pro
 290 295 300
 Ser Leu Gly Ser Glu Lys Lys Lys Glu Asp Pro Arg Arg Ala Gln Val
 305 310 315 320
 Pro Pro Thr Arg Glu Ser Arg Val Lys Val Leu Arg Lys Leu Ala Ala
 325 330 335
 Thr Ala Pro Ala Leu Pro Gln Pro Pro Ser Thr Pro Arg Ala Thr Thr
 340 345 350
 Leu Pro Pro Ala Pro Ala Thr Thr Val Thr Arg Ser Thr Ser Arg Ala
 355 360 365
 Val Thr Val Ala Ala Arg Pro Met Thr Thr Thr Ala Phe Pro Thr Thr
 370 375 380
 Gln Arg Pro Trp Thr Pro Ser Pro Ser His ArgPro Pro Thr Thr Thr
 385 390 395 400
 Glu Val Ile Thr Ala Arg Arg Pro Ser Val Ser Glu Asn Leu Tyr Pro
 405 410 415
 Pro Ser Arg Lys Asp Gln His Arg Glu ArgPro Gln Thr Thr Arg Arg
 420 425 430
 Pro Ser Lys Ala Thr Ser Leu Glu Ser Phe Thr Asn Ala Pro Pro Thr
 435 440 445
 Thr Ile Ser Glu Pro Ser Thr Arg Ala Ala Gly Pro GlyArg Phe Arg
 450 455 460
 Asp Asn Arg Met Asp Arg Arg Glu His Gly His Arg Asp Pro Asn Val
 465 470 475 480
 Val Pro Gly Pro Pro Lys Pro Ala Lys Glu Lys Pro Pro Lys LysLys
 485 490 495

Ala Gln Asp Lys Ile Leu Ser Asn Glu Tyr Glu Glu Lys Tyr Asp Leu
 500 505 510
 Ser Arg Pro Thr Ala Ser Gln Leu Glu Asp Glu Leu Gln Val Gly Asn
 515 520 525
 Val Pro Leu Lys Lys Ala Lys Glu Ser Lys Lys His Glu Lys Leu Glu
 530 535 540
 Lys Pro Glu Lys Glu Lys Lys Lys Lys Met Lys Asn Glu Asn Ala Asp
 545 550 555 560
 Lys Leu Leu Lys Ser Glu Lys Gln Met Lys Lys Ser Glu Lys Lys Ser
 565 570 575
 Lys Gln Glu Lys Glu Lys Ser Lys Lys Lys Lys Gly Gly Lys Thr Glu
 580 585 590
 Gln Asp Gly Tyr Gln Lys Pro Thr Asn Lys His Phe Thr Gln Ser Pro
 595 600 605
 Lys Lys Ser Val Ala Asp Leu Leu Gly Ser Phe Glu Gly Lys Arg Arg
 610 615 620
 Leu Leu Leu Ile Thr Ala Pro Lys Ala Glu Asn Asn Met Tyr Val Gln
 625 630 635 640
 Gln Arg Asp Glu Tyr Leu Glu Ser Phe Cys Lys Met Ala Thr Arg Lys
 645 650 655
 Ile Ser Val Ile Thr Ile Phe Gly Pro Val Asn Asn Ser Thr Met Lys
 660 665 670
 Ile Asp His Phe Gln Leu Asp Asn Glu Lys Pro Met Arg Val Val Asp
 675 680 685
 Asp Glu Asp Leu Val Asp Gln Arg Leu Ile Ser Glu Leu Arg Lys Glu
 690 695 700
 Tyr Gly Met Thr Tyr Asn Asp Phe Phe Met Val Leu Thr Asp Val Asp
 705 710 715 720
 Leu Arg Val Lys Gln Tyr Tyr Glu Val Pro Ile Thr Met Lys Ser Val
 725 730 735
 Phe Asp Leu Ile Asp Thr Phe Gln Ser Arg Ile Lys Asp Met Glu Lys
 740 745 76
 Gln Lys Lys Glu Gly Ile Val Cys Lys Glu Asp Lys Lys Gln Ser Leu
 755 760 765
 Glu Asn Phe Leu Ser Arg Phe Arg Trp Arg Arg Arg Leu Leu Val Ile
 770 775 780
 Ser Ala Pro Asn Asp Glu Asp Trp Ala Tyr Ser Gln Gln Leu Ser Ala
 785 790 795 800

Leu Ser Gly Gln Ala Cys Asn Phe Gly Leu Arg His Ile Thr Ile Leu
 805 810 815
 Lys Leu Leu Gly Val Gly Glu Glu Val Gly Gly Val Leu Glu Leu Phe
 820 825 830
 Pro Ile Asn Gly Ser Ser Val Val Glu Arg Glu Asp Val Pro Ala His
 835 840 845
 Leu Val Lys Asp Ile Arg Asn Tyr Phe Gln Val Ser Pro Glu Tyr Phe
 850 855 860
 Ser Met Leu Leu Val Gly Lys Asp Gly Asn Val Lys Ser Trp Tyr Pro
 865 870 875 880
 Ser Pro Met Trp Ser Met Val Ile Val Tyr Asp Leu Ile Asp Ser Met
 885 890 895
 Gln Leu Arg Arg Gln Glu Met Ala Ile Gln Gln Ser Leu Gly Met Arg
 900 905 910
 Cys Pro Glu Asp Glu Tyr Ala Gly Tyr Gly Tyr His Ser Tyr His Gln
 915 920 925
 Gly Tyr Gln Asp Gly Tyr Gln Asp Asp Tyr Arg His His Glu Ser Tyr
 930 935 940
 His His Gly Tyr Pro Tyr
 945 950

<210> 806
 <211> 260
 <212> PRT
 <213> Homo sapiens

<400> 806
 Met Leu Ala Leu Leu Gly Leu Ser Gln Ala Leu Asn Ile Leu Leu Gly
 1 5 10 15
 Leu Lys Gly Leu Ala Pro Ala Glu Ile Ser Ala Val Cys Glu Lys Gly
 20 25 30
 Asn Phe Asn Val Ala His Gly Leu Ala Trp Ser Tyr Tyr Ile Gly Tyr
 35 40 45
 Leu Arg Leu Ile Leu Pro Glu Leu Gln Ala Arg Ile Arg Thr Tyr Asn
 50 55 60
 Gln His Tyr Asn Asn Leu Leu Arg Gly Ala Val Ser Gln Arg Leu Tyr
 65 70 75 80
 Ile Leu Leu Pro Leu Asp Cys Gly Val Pro Asp Asn Leu Ser Met Ala
 85 90 95
 Asp Pro Asn Ile Arg Phe Leu Asp Lys Leu Pro Gln Gln Thr Gly Asp

	100		105		110										
Arg	Ala	Gly	Ile	Lys	Asp	Arg	Val	Tyr	Ser	Asn	Ser	Ile	Tyr	Glu	Leu
		115					120					125			
Leu	Glu	Asn	Gly	Gln	Arg	Ala	Gly	Thr	Cys	Val	Leu	Glu	Tyr	Ala	Thr
	130					135					140				
Pro	Leu	Gln	Thr	Leu	Phe	Ala	Met	Ser	Gln	Tyr	Ser	Gln	Ala	Gly	Phe
145					150					155				160	
Ser	Gly	Glu	Asp	Arg	Leu	Glu	Gln	Ala	Lys	Leu	Phe	Cys	Arg	Thr	Leu
			165						170					175	
Glu	Asp	Ile	Leu	Ala	Asp	Ala	Pro	Glu	Ser	Gln	Asn	Asn	Cys	Arg	Leu
		180						185					190		
Ile	Ala	Tyr	Gln	Glu	Pro	Ala	Asp	Asp	Ser	Ser	Phe	Ser	Leu	Ser	Gln
	195						200					205			
Glu	Val	Leu	Arg	His	Leu	Arg	Gln	Glu	Glu	Lys	Glu	Glu	Val	Thr	Val
	210					215					220				
Gly	Ser	Leu	Lys	Thr	Ser	Ala	Val	Pro	Ser	Thr	Ser	Thr	Met	Ser	Gln
225					230					235					240
Glu	Pro	Glu	Leu	Leu	Ile	Ser	Gly	Met	Glu	Lys	Pro	Leu	Pro	Leu	Arg
			245						250					255	
Thr	Asp	Phe	Ser												
			260												

<210> 807

<211> 84

<212> PRT

<213> Homo sapiens

<400> 807

Met	Ala	Gly	Cys	Cys	Leu	Lys	Leu	Phe	Gly	Val	Leu	Ser	Leu	Cys	Phe
1				5					10					15	
Leu	Cys	Gly	Leu	Ile	Ser	Ile	Glu	Arg	Val	Ile	Cys	Asn	Pro	Val	Ser
			20					25					30		
Ala	Asp	Phe	Gln	Val	Ser	Thr	Phe	Cys	Gln	Arg	His	Cys	Leu	Leu	Arg
		35					40					45			
Ser	Lys	Val	Met	Phe	Leu	Ile	Lys	Gly	Ile	Thr	Ala	Thr	Ile	Glu	Val
	50					55					60				
Ile	Asn	Glu	Asn	Cys	Thr	Leu	Val	Ala	Ala	Pro	Pro	Ile	Gly	Phe	Pro
65					70					75					80
Ile	Val	Phe	Leu												

<210> 808
 <211> 35
 <212> PRT
 <213> Homo sapiens

<400> 808
 Met Pro Leu Pro Ser Ser Phe Pro Leu Pro Val Phe Leu Ser Ser Cys
 1 5 10 15
 Pro Phe Leu Met Ser Val Ser Ile Gly Phe Leu Ile Leu Val Phe Asn
 20 25 30
 Val His Pro
 35

<210> 809
 <211> 55
 <212> PRT
 <213> Homo sapiens

<400> 809
 Met Val Asn Ile Phe Gly Phe Val Ser Cys Ile Val Phe Arg Cys Ser
 1 5 10 15
 Cys Ser Ala Leu Leu His Glu Ser Asn His Arg Pro Tyr Leu Asn Lys
 20 25 30
 Trp Ser Leu Leu Ser Thr Asn Lys Thr Leu Phe Arg Asn Asn Arg Gly
 35 40 45
 Leu Asp Leu Val Leu Val Cys
 50 55

<210> 810
 <211> 78
 <212> PRT
 <213> Homo sapiens

<400> 810
 Met Val Cys Phe Gln Ser Asn Lys Pro Ser Thr Ser Thr Trp Arg Gln
 1 5 10 15
 Leu Ser Phe Val Phe Val Leu Phe Cys Leu Phe Cys Leu Gly His Ala
 20 25 30
 Phe Leu Ser Leu Pro Phe Tyr Ile Leu Ser Ile Ile Ala Met Cys Leu
 35 40 45
 Glu Gln Trp Ala Phe His Asn Met Asn Ser Leu Tyr His His Glu Trp
 50 55 60

Glu Val Arg Gly Asn Leu Ile His Val Asp Phe Thr Leu Pro
65 70 75

<210> 811
<211> 41
<212> PRT
<213> Homo sapiens

<400> 811
Met Asn Leu Met Val Arg Leu Leu Ala Leu Gly Leu Ile Ser Gly Met
1 5 10 15
Met Ser Asn Ile Thr Gln Ser His Ser Ser Lys Ile Ser Ala Phe Gly
20 25 30
Ile Phe Ile Gly Pro Glu Gln Phe Leu
35 40

<210> 812
<211> 58
<212> PRT
<213> Homo sapiens

<400> 812
Met Arg Ile Ser Arg Cys Asn Ile Ser Leu Glu Ile Val Ser Pro Ser
1 5 10 15
Ile Leu Leu Thr Phe Leu Asp Leu Ile Ile Leu Leu Trp Ala Leu Ala
20 25 30
Ser Cys Tyr Arg Arg Phe Thr Ser Phe Pro Ala Leu Asn Leu Pro Asp
35 40 45
Val Asn Ser Thr Leu His Tyr Leu Gln Gln
50 55

<210> 813
<211> 606
<212> PRT
<213> Homo sapiens

<400> 813
Met Thr Val Val Gly Asn Pro Arg Ser Trp Ser Cys Gln Trp Leu Pro
1 5 10 15
Ile Leu Ile Leu Leu Leu Gly Thr Gly His Gly Pro Gly Val Glu Gly
20 25 30
Val Thr His Tyr Lys Ala Gly Asp Pro Val Ile Leu Tyr Val Asn Lys
35 40 45

Val Gly Pro Tyr His Asn Pro Gln Glu Thr Tyr His Tyr Tyr Gln Leu
50 55 60
Pro Val Cys Cys Pro Glu Lys Ile Arg His Lys Ser Leu Ser Leu Gly
65 70 75 80
Glu Val Leu Asp Gly Asp Arg Met Ala Glu Ser Leu Tyr Glu Ile Arg
85 90 95
Phe Arg Glu Asn Val Glu Lys Arg Ile Leu Cys His Met Gln Leu Ser
100 105 110
Ser Ala Gln Val Glu Gln Leu Arg Gln Ala Ile Glu Glu Leu Tyr Tyr
115 120 125
Phe Glu Phe Val Val Asp Asp Leu Pro Ile Arg Gly Phe Val Gly Tyr
130 135 140
Met Glu Glu Ser Gly Phe Leu Pro His Ser His Lys Ile Gly Leu Trp
145 150 155 160
Thr His Leu Asp Phe His Leu Glu Phe His Gly Asp Arg Ile Ile Phe
165 170 175
Ala Asn Val Ser Val Arg Asp Val Lys Pro His Ser Leu Asp Gly Leu
180 185 190
Arg Pro Asp Glu Phe Leu Gly Leu Thr His Thr Tyr Ser Val Arg Trp
195 200 205
Ser Glu Thr Ser Val Glu Arg Arg Ser Asp Arg Arg Arg Gly Asp Asp
210 215 220
Gly Gly Phe Phe Pro Arg Thr Leu Glu Ile His Trp Leu Ser Ile Ile
225 230 235 240
Asn Ser Met Val Leu Val Phe Leu Leu Val Gly Phe Val Ala Val Ile
245 250 255
Leu Met Arg Val Leu Arg Asn Asp Leu Ala Arg Tyr Asn Leu Asp Glu
260 265 270
Glu Thr Thr Ser Ala Gly Ser Gly Asp Asp Phe Asp Gln Gly Asp Asn
275 280 285
Gly Trp Lys Ile Ile His Thr Asp Val Phe Arg Phe Pro Pro Tyr Arg
290 295 300
Gly Leu Leu Cys Ala Val Leu Gly Val Gly Ala Gln Phe Leu Ala Leu
305 310 315 320
Gly Thr Gly Ile Ile Val Met Ala Leu Leu Gly Met Phe Asn Val His
325 330 335
Arg His Gly Ala Ile Asn Ser Ala Ala Ile Leu Leu Tyr Ala Leu Thr
340 345 350

Cys Cys Ile Ser Gly Tyr Val Ser Ser His Phe Tyr Arg Gln Ile Gly
 355 360 365
 Gly Glu Arg Trp Val Trp Asn Ile Ile Leu ThrThr Ser Leu Phe Ser
 370 375 380
 Val Pro Phe Phe Leu Thr Trp Ser Val Val Asn Ser Val His Trp Ala
 385 390 395 400
 Asn Gly Ser Thr Gln Ala Leu Pro Ala Thr Thr Ile LeuLeu Leu Leu
 405 410 415
 Thr Val Trp Leu Leu Val Gly Phe Pro Leu Thr Val Ile Gly Gly Ile
 420 425 430
 Phe Gly Lys Asn Asn Ala Ser Pro Phe Asp Ala Pro Cys ArgThr Lys
 435 440 445
 Asn Ile Ala Arg Glu Ile Pro Pro Gln Pro Trp Tyr Lys Ser Thr Val
 450 455 460
 Ile His Met Thr Val Gly Gly Phe Leu Pro Phe Ser Ala Ile Ser Val
 465 470 475 480
 Glu Leu Tyr Tyr Ile Phe Ala Thr Val Trp Gly Arg Glu Gln Tyr Thr
 485 490 495
 Leu Tyr Gly Ile Leu Phe Phe Val Phe Ala Ile Leu Leu Ser Val Gly
 500 505 510
 Ala Cys Ile Ser Ile Ala Leu Thr Tyr Phe Gln Leu Ser Gly Glu Asp
 515 520 525
 Tyr Arg Trp Trp Trp Arg Ser Val Leu Ser Val Gly Ser Thr Gly Leu
 530 535 540
 Phe Ile Phe Leu Tyr Ser Val Phe Tyr Tyr Ala Arg Arg Ser Asn Met
 545 550 555 560
 Ser Gly Ala Val Gln Thr Val Glu Phe Phe Gly Tyr Ser Leu Leu Thr
 565 570 575
 Gly Tyr Val Phe Phe Leu Met Leu Gly Thr Ile Ser Phe Phe Ser Ser
 580 585 590
 Leu Lys Phe Ile Arg Tyr Ile Tyr Val Asn Leu Lys Met Asp
 595 600 605

<210> 814
 <211> 62
 <212> PRT
 <213> Homo sapiens

<400> 814

Met Ala Val Arg Cys Ile Leu Ala Gly Gly Cys Leu Pro Ala Val Arg
 1 5 10 15
 Gly Thr Phe Ser Val Leu Leu Lys Gly Met Tyr Lys Pro Met Gly Asp
 20 25 30
 Leu Ile Ser Cys Val Phe Arg Cys Val Ala Gly Gly Leu Gly Trp Gly
 35 40 45
 Gly Gly Ala Ser Glu Gln Cys Val Glu Ser Leu Val Val Th
 50 55 60

<210> 815

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (32)

<223> Xaa equals any of the naturally occurring amino acids

<400> 815

Met Leu Ser Phe Phe Ile Cys Leu Leu Ile Phe Val His Leu Leu Leu
 1 5 10 15
 Leu Ser Phe Leu Ile Ser Asp Trp Pro Pro Pro Thr Gly Ser Ala Xaa
 20 25 30
 His Lys Ile Leu Arg Leu Met Val Val Gln Arg Leu Ser Leu Leu Asp
 35 40 45
 Gln Arg Lys Arg Trp Ser Glu Ala
 50 55

<210> 816

<211> 90

<212> PRT

<213> Homo sapiens

<400> 816

Met Ala Ile Arg Leu Val Phe Leu Ala Leu Ala Gly Leu Val Asp Gly
 1 5 10 15
 Lys Pro Val Trp Ile Thr Leu Trp Met Asp Ala Lys Arg Pro Asn Leu
 20 25 30
 Ala Gly Thr Gly Ser Thr Trp Gly Ser Arg Arg Asp Ser His Cys Cys
 35 40 45
 His Gly Pro Thr Ala Trp Ser Leu Pro Cys Leu Leu Cys Leu Phe Arg
 50 55 60

Ala Gln Gln Lys Asp Arg Glu Arg Ser Leu Leu Gly Val Pro Leu Pro
65 70 75 80

Thr Leu Gln Gly Gly Asn Leu Ser Asp Gly
85 90

<210> 817
<211> 672
<212> PRT
<213> Homo sapiens

<400> 817
Met Cys Ser Arg Val Pro Leu Leu LeuPro Leu Leu Leu Leu Leu Ala
1 5 10 15
Leu Gly Pro Gly Val Gln Gly Cys Pro Ser Gly Cys Gln Cys Ser Gln
20 25 30
Pro Gln Thr Val Phe Cys Thr Ala Arg GlnGly Thr Thr Val Pro Arg
35 40 45
Asp Val Pro Pro Asp Thr Val Gly Leu Tyr Val Phe Glu Asn Gly Ile
50 55 60
Thr Met Leu Asp Ala Gly Ser Phe Ala Gly Leu Pro Gly Leu GlnLeu
65 70 75 80
Leu Asp Leu Ser Gln Asn Gln Ile Ala Ser Leu Pro Ser Gly Val Phe
85 90 95
Gln Pro Leu Ala Asn Leu Ser Asn Leu Asp Leu Thr Ala AsnArg Leu
100 105 110
His Glu Ile Thr Asn Glu Thr Phe Arg Gly Leu Arg Arg Leu Glu Arg
115 120 125
Leu Tyr Leu Gly Lys Asn Arg Ile Arg His Ile Gln Pro Gly Ala Phe
130 135 140
Asp Thr Leu Asp Arg Leu Leu Glu Leu Lys Leu Gln Asp Asn Glu Leu
145 150 155 160
Arg Ala Leu Pro Pro Leu Arg Leu Pro Arg Leu Leu Leu Leu Asp Leu
165 170 175
Ser His Asn Ser Leu Leu Ala Leu Glu Pro Gly Ile Leu Asp Thr Ala
180 185 190
Asn Val Glu Ala Leu Arg Leu Ala Gly Leu Gly Leu Gln Gln Leu Asp
195 200 205
Glu Gly Leu Phe Ser Arg Leu Arg Asn Leu His Asp Leu Asp Val Ser
210 215 220
Asp Asn Gln Leu Glu Arg Val Pro Pro Val Ile Arg Gly Leu Arg Gly

225		230		235		240
Leu Thr Arg	Leu Arg	Leu Ala Gly Asn	Thr Arg	Ile Ala Gln	Leu Arg	
	245		250		255	
Pro Glu Asp	Leu Ala Gly	Leu Ala Ala	Leu Gln Glu	Leu Asp	Val Ser	
	260	265		270		
Asn Leu Ser	Leu Gln Ala	Leu Pro Gly	Asp Leu Ser	Gly Leu Phe	Pro	
	275	280		285		
Arg Leu Arg	Leu Leu Ala	Ala Ala Arg	Asn Pro Phe	Asn Cys	Val Cys	
	290	295	300			
Pro Leu Ser	Trp Phe Gly	Pro Trp Val	Arg Glu Ser	His Val Thr	Leu	
305	310		315		320	
Ala Ser Pro	Glu Glu Thr	Arg Cys His	Phe Pro Pro	Lys Asn Ala	Gly	
	325		330	335		
Arg Leu Leu	Leu Glu Leu	Asp Tyr Ala	Asp Phe Gly	Cys Pro Ala	Thr	
	340	345		350		
Thr Thr Thr	Ala Thr Val	Pro Thr Thr	Arg Pro Val	Val Arg Glu	Pro	
	355	360		365		
Thr Ala Leu	Ser Ser Ser	Leu Ala Pro	Thr Trp Leu	Ser Pro Thr	Ala	
	370	375	380			
Pro Ala Thr	Glu Ala Pro	Ser Pro Pro	Ser Thr Ala	Pro Pro Thr	Val	
385	390		395		400	
Gly Pro Val	Pro Gln Pro	Gln Asp Cys	Pro Pro Ser	Thr Cys Leu	Asn	
	405	410		415		
Gly Gly Thr	Cys His Leu	Gly Thr Arg	His His Leu	Ala Cys Leu	Cys	
	420	425		430		
Pro Glu Gly	Phe Thr Gly	Leu Tyr Cys	Glu Ser Gln	Met Gly Gln	Gly	
	435	440	445			
Thr Arg Pro	Ser Pro Thr	Pro Val Thr	Pro Arg Pro	Pro Arg Ser	Leu	
	450	455	460			
Thr Leu Gly	Ile Glu Pro	Val Ser Pro	Thr Ser Leu	Arg Val Gly	Leu	
465	470		475		480	
Gln Arg Tyr	Leu Gln Gly	Ser Ser Val	Gln Leu Arg	Ser Leu Arg	Leu	
	485	490		495		
Thr Tyr Arg	Asn Leu Ser	Gly Pro Asp	Lys Arg Leu	Val Thr Leu	Arg	
	500	505		510		
Leu Pro Ala	Ser Leu Ala	Glu Tyr Thr	Val Thr Gln	Leu Arg Pro	Asn	
	515	520	525			
Ala Thr Tyr	Ser Val Cys	Val Met Pro	Leu Gly Pro	Gly Arg Val	Pro	

530		535		540
Glu Gly Glu Glu Ala Cys Gly Glu Ala His Thr Pro Pro Ala Val His				
545		550		555
Ser Asn His Ala Pro Val Thr Gln Ala Arg Glu GlyAsn Leu Pro Leu				
	565		570	575
Leu Ile Ala Pro Ala Leu Ala Ala Val Leu Leu Ala Ala Leu Ala Ala				
	580		585	590
Val Gly Ala Ala Tyr Cys Val Arg Arg Gly Arg Ala MetAla Ala Ala				
	595		600	605
Ala Gln Asp Lys Gly Gln Val Gly Pro Gly Ala Gly Pro Leu Glu Leu				
	610		615	620
Glu Gly Val Lys Val Pro Leu Glu Pro Gly Pro Lys Ala Thr Glu Ala				
	625		630	635
Val Glu Arg Pro Cys Pro Ala Gly Leu Ser Val Lys Cys His Ser Trp				
	645		650	655
Ala Ser Lys Ala Trp Pro Gln Ser Pro Leu His Ala Lys Pro Tyr Ile				
	660		665	670

<210> 818
 <211> 282
 <212> PRT
 <213> Homo sapiens

<400> 818
 Met Leu Ala Leu Thr Leu Ala Lys Ala Asp Ser Pro Arg Thr Ala Leu
 1 5 10 15
 Leu Cys Ser Ala Trp Leu Leu Thr Ala Ser Phe Ser Ala Gln Gln His
 20 25 30
 Lys Gly Ser Leu Gln Val His Gln Thr Leu Ser Val Glu Met Asp Gln
 35 40 45
 Val Leu Lys Ala Leu Ser Phe Pro Lys Lys Lys Ala Ala Leu Leu Ser
 50 55 60
 Ala Ala Ile Leu Cys Phe Leu Arg Thr Ala Leu Arg Gln Ser Phe Ser
 65 70 75 80
 Ser Ala Leu Val Ala Leu Val Pro Ser Gly Ala Gln Pro Leu Pro Ala
 85 90 95
 Thr Lys Asp Thr Val Leu Ala Pro Leu Arg Met Ser Gln Val Arg Ser
 100 105 110

Leu Val Ile Gly Leu Gln Asn Leu Leu Val Gln Lys Asp Pro Leu Leu
 115 120 125
 Ser Gln Ala Cys Val Gly Cys Leu Glu Ala Leu Leu Asp Tyr Leu Asp
 130 135 140
 Ala Arg Ser Pro Asp Ile Ala Leu His Val Ala Ser Gln Pro Trp Asn
 145 150 155 160
 Arg Phe Leu Leu Phe Thr Leu Leu Asp Ala Gly Glu Asn Ser Phe Leu
 165 170 175
 Arg Pro Glu Ile Leu Arg Leu Met Thr Leu Phe Met Arg Tyr Arg Ser
 180 185 190
 Ser Ser Val Leu Ser His Glu Glu Val Gly Asp Val Leu Gln Gly Val
 195 200 205
 Ala Leu Ala Asp Leu Ser Thr Leu Ser Asn Thr Thr Leu Gln Ala Leu
 210 215 220
 His Gly Phe Phe Gln Gln Leu Gln Ser Met Gly His Leu Ala Asp His
 225 230 235 240
 Ser Met Ala Gln Thr Leu Gln Ala Ser Leu Glu Gly Leu Pro Pro Ser
 245 250 255
 Thr Ser Ser Gly Gln Pro Pro Leu Gln Asp Met Leu Cys Leu Gly Gly
 260 265 270
 Val Ala Val Ser Leu Ser His Ile Arg Asn
 275 280

<210> 819
 <211> 178
 <212> PRT
 <213> Homo sapiens

<400> 819
 Met Leu Pro Leu Leu Ile Ile Cys Leu Leu Pro Ala Ile Glu Gly Lys
 1 5 10 15
 Asn Cys Leu Arg Cys Trp Pro Glu Leu Ser Ala Leu Ile Asp Tyr Asp
 20 25 30
 Leu Gln Ile Leu Trp Val Thr Pro Gly Pro Pro Thr Glu Leu Ser Gln
 35 40 45
 Ser Ile His Ser Leu Phe Leu Glu Asp Asn Asn Phe Leu Lys Pro Trp
 50 55 60
 Tyr Leu Asp Arg Asp His Leu Glu Glu Glu Thr Ala Lys Phe Phe Thr
 65 70 75 80

Gln Val His Gln Ala Ile Lys Thr Leu Arg Asp Asp Lys Thr Val Leu
 85 90 95
 Leu Glu Glu Ile Tyr Thr His Lys Asn Leu Phe Thr Glu Arg Leu Asn
 100 105 110
 Lys Ile Ser Asp Gly Leu Lys Glu Lys Gly Ala Pro Pro Leu Ser Met
 115 120 125
 Asn Ala Phe Pro Ala Pro Ser Pro Thr Cys Thr Pro Glu Pro Leu Gly
 130 135 140
 Ser Val Cys Leu Pro Ser Thr Ser Val Ser Leu Pro Ser His Pro Pro
 145 150 155 160
 Trp Gln Pro Ala Met Ser Pro Val Pro Gly Thr Gly Gly Pro Pro Cys
 165 170 175
 Gly Leu

<210> 820
 <211> 298
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (42)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 820
 Met Ala Arg Arg Ser Arg His Arg Leu Leu Leu Leu Leu Leu Arg Tyr
 1 5 10 15
 Leu Val Val Ala Leu Gly Tyr His Lys Ala Tyr Gly Phe Ser Ala Pro
 20 25 30
 Lys Asp Gln Gln Val Val Thr Ala Val Xaa Tyr Gln Glu Ala Ile Leu
 35 40 45
 Ala Cys Lys Thr Pro Lys Lys Thr Val Xaa Ser Arg Leu Glu Trp Lys
 50 55 60
 Lys Leu Gly Arg Ser Val Ser Phe Val Tyr Tyr Gln Gln Thr Leu Gln
 65 70 75 80
 Gly Asp Phe Lys Asn Arg Ala Glu Met Ile Asp Phe Asn Ile Arg Ile
 85 90 95

Lys Asn Val Thr Arg Ser Asp Ala Gly Lys Tyr Arg Cys Glu Val Ser
 100 105 110
 Ala Pro Ser Glu Gln Gly Gln Asn Leu Glu Glu Asp Thr Val Thr Leu
 115 120 125
 Glu Val Leu Val Ala Pro Ala Val Pro Ser Cys Glu Val Pro Ser Ser
 130 135 140
 Ala Leu Ser Gly Thr Val Val Glu Leu Arg Cys Gln Asp Lys Glu Gly
 145 150 155 160
 Asn Pro Ala Pro Glu Tyr Thr Trp Phe Lys Asp Gly Ile Arg Leu Leu
 165 170 175
 Glu Asn Pro Arg Leu Gly Ser Gln Ser Thr Asn Ser Ser Tyr Thr Met
 180 185 190
 Asn Thr Lys Thr Gly Thr Leu Gln Phe Asn Thr Val Ser Lys Leu Asp
 195 200 205
 Thr Gly Glu Tyr Ser Cys Glu Ala Arg Asn Ser Val Gly Tyr Arg Arg
 210 215 220
 Cys Pro Gly Lys Arg Met Gln Val Asp Asp Leu Asn Ile Ser Gly Ile
 225 230 235 240
 Ile Ala Ala Val Val Val Val Ala Leu Val Ile Ser Val Cys Gly Leu
 245 250 255
 Gly Val Cys Tyr Ala Gln Arg Lys Gly Tyr Phe Ser Lys Glu Thr Ser
 260 265 270
 Phe Gln Lys Ser Asn Ser Ser Ser Lys Ala Thr Thr Met Ser Glu Asn
 275 280 285
 Asp Phe Lys His Thr Lys Ser Phe Ile Ile
 290 295

<210> 821

<211> 46

<212> PRT

<213> Homo sapiens

<400> 821

Met Glu Pro Val Ala Leu Leu Gln Pro Thr Trp Trp Leu Leu Asn Val
 1 5 10 15
 Thr Leu Pro Leu Val Ala Trp Ser Gly Pro Leu Ile Cys Arg Pro Leu
 20 25 30
 Leu His Gly Glu Gly Arg Gln Gly Ala Ala Cys Leu Gln Gly
 35 40 45

<210> 822
 <211> 65
 <212> PRT
 <213> Homo sapiens

<400> 822
 Met Ile Lys Ile Leu Lys Glu Ala Ile Glu Glu Thr Ser Phe Cys Ser
 1 5 10 15
 Phe Trp Arg Ile Ser Phe Gln Leu Ser Ile His His Ile Phe Leu Ile
 20 25 30
 Phe Cys Ala Gln Leu Thr Thr Leu Leu Tyr Ser Thr Phe Leu Phe Ile
 35 40 45
 Pro Ile Ser Trp Phe Leu Ile Val Pro Gly Ala Val Asp Lys Thr Ile
 50 55 60
 Leu
 65

<210> 823
 <211> 84
 <212> PRT
 <213> Homo sapiens

<400> 823
 Met Lys Leu Leu Tyr Leu Phe Leu Ala Ile Leu Leu Ala Ile Glu Glu
 1 5 10 15
 Pro Val Ile Ser Gly Lys Arg His Ile Leu Arg Cys Met Gly Asn Ser
 20 25 30
 Gly Ile Cys Arg Ala Ser Cys Lys Lys Asn Glu Gln Pro Tyr Leu Tyr
 35 40 45
 Cys Arg Asn Cys Gln Ser Cys Cys Leu Gln Ser Tyr Met Arg Ile Ser
 50 55 60
 Ile Ser Gly Lys Glu Glu Asn Thr Asp Trp Ser Tyr Glu Lys Gln Trp
 65 70 75 80
 Pro Arg Leu Pro

<210> 824
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 824
 Met Gly Trp Leu Trp Leu Glu Leu Leu Gly Leu Ser Ile Glu Glu Thr

1 5 10 15
 Leu Val Trp Ala Phe Leu Asn Lys Phe Leu Asp Ser Ser Ala Ala Leu
 20 25 30
 Leu Trp Arg Ile Leu Gly Lys Ser Asn Leu Ser Thr
 35 40

<210> 825
 <211> 158
 <212> PRT
 <213> Homo sapiens

<400> 825
 Met Ala Leu Glu Val Leu Met Leu Leu Ala Val Leu Ile Trp Thr Gly
 1 5 10 15
 Ala Glu Asn Leu His Val Lys Ile Ser Cys SerLeu Asp Trp Leu Met
 20 25 30
 Val Ser Val Ile Pro Val Ala Glu Ser Arg Asn Leu Tyr Ile Phe Ala
 35 40 45
 Asp Glu Leu His Leu Gly Met Gly Cys Pro Ala Asn Arg IleHis Thr
 50 55 60
 Tyr Val Tyr Glu Phe Ile Tyr Leu Val Arg Asp Cys Gly Ile Arg Thr
 65 70 75 80
 Arg Val Val Ser Glu Glu Thr Leu Leu Phe Gln Thr Glu Leu Tyr Phe
 85 90 95
 Thr Pro Arg Asn Ile Asp His Asp Pro Gln Glu Ile His Leu Glu Cys
 100 105 110
 Ser Thr Ser Arg Lys Ser Val Trp Leu Thr Pro Val Ser Thr Glu Asn
 115 120 125
 Glu Ile Lys Leu Asp Pro Ser Pro Phe Ile Ala Asp Phe Gln Thr Thr
 130 135 140
 Ala Glu Glu Leu Gly Leu Leu Ser Ser Ser Pro Asn Leu Leu
 145 150 155

<210> 826
 <211> 89
 <212> PRT
 <213> Homo sapiens

<400> 826
 Met Val Ser Ala Ser Val Phe Val Gly Leu Val Ile Phe Tyr Ile Ala
 1 5 10 15

Phe Cys Leu Leu Trp Pro Leu Val Val Lys Gly Cys Thr Met Ile Arg
 20 25 30
 Trp Lys Ile Asn Asn Leu Ile Ala Ser Glu Ser Tyr Tyr Thr Tyr Ala
 35 40 45
 Ser Ile Ser Gly Ile Ser Ser Met Pro Ser Leu Arg His Se Arg Met
 50 55 60
 Gly Ser Met Phe Ser Ser Arg Met Thr Glu Asp Arg Ala Glu Pro Lys
 65 70 75 80
 Glu Ala Val Glu Arg Gln Leu Met Thr
 85

<210> 827
 <211> 94
 <212> PRT
 <213> Homo sapiens

<400> 827
 Met Leu Val Ile Ala Gly Gly Ile Leu Ala Ala Leu Leu Leu Leu Ile
 1 5 10 15
 Val Val Val Leu Cys Leu Tyr Phe Lys Ile His Asn Ala Leu LysAla
 20 25 30
 Ala Lys Glu Pro Glu Ala Val Ala Val Lys Asn His Asn Pro Asp Lys
 35 40 45
 Val Trp Trp Ala Lys Asn Ser Gln Ala Lys Thr Ile Ala Thr Glu Ser
 50 55 60
 Cys Pro Ala Leu Gln Cys Cys Glu Gly Tyr Arg Met Cys Ala Ser Phe
 65 70 75 80
 Asp Ser Leu Pro Pro Cys Cys Cys Asp Ile Asn Glu Gly Leu
 85 90

<210> 828
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 828
 Met Ala Phe Gly Gln Glu Val Thr His Leu Thr Lys Thr Ser Trp Leu
 1 5 10 15
 Ala Pro Leu Arg Phe Ile Lys Gly Leu Leu Gly Pro Trp Gly Trp Ile
 20 25 30
 Leu Leu Ile Leu Asp Leu Glu
 35

<210> 829
 <211> 90
 <212> PRT
 <213> Homo sapiens

<400> 829
 Met Ala Leu Phe Ser Cys Leu Leu Leu Leu Lys Gln Ser AspGly Ala
 1 5 10 15
 Ser Pro Val Leu Arg Ala Leu Ala Ala Ser Cys Leu Ala Ser Pro Ala
 20 25 30
 Gly Cys Cys Gly Thr Arg Lys Ala Leu Asn Gly Asn Val Gly GluLys
 35 40 45
 Val Gly Phe Thr Phe Met Ser Phe Gln Gly Cys Asp Pro Ser Ser Pro
 50 55 60
 Gly Cys Leu Cys Cys Ser Leu Leu Pro Ser Asn Ser Gln Leu Val Phe
 65 70 75 80
 Ile Ser Phe Leu Val Leu Ser Gly Leu Ala
 85 90

<210> 830
 <211> 101
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 830
 Met Glu Leu Glu Arg Cys Ser Val Val Leu Cys Ile Leu Ala Asn Leu
 1 5 10 15
 Ala Val Leu Arg Ala Leu Phe Leu Pro Cys Ile Ile Phe His Cys Val
 20 25 30
 Ser Asp Ser Arg Ser Val Asn Arg Glu Thr Lys Val Lys Phe Val His
 35 40 45
 Thr Ser Val His Gly Val Gly His Ser Phe Val Gln Ser Ala Phe Lys
 50 55 60
 Ala Phe Xaa Leu Val Pro Pro Glu Ala Val Pro Glu Gln Lys Asp Pro
 65 70 75 80
 Asp Pro Glu Phe Pro Thr Val Lys Tyr Pro Asn Pro Glu Glu Gly Lys
 85 90 95

Gly Val Leu Val Thr
100

<210> 831
<211> 86
<212> PRT
<213> Homo sapiens

<400> 831
Met Leu Leu Gly Gly Arg Leu Leu Thr Gly Leu Ala Cys Gly Val Ala
1 5 10 15
Ser Leu Val Ala Pro Val Ser Val Pro Ser Leu Glu Cys Pro Val Ser
20 25 30
Arg Pro Glu Thr Glu Gly Glu Trp Asp Lys Pro Leu Pro Arg Pro Gly
35 40 45
Gly Ala Ala Pro Pro Gly Gly Thr Phe Trp Val Pro Gly Leu Lys Ser
50 55 60
Leu Arg Tyr Leu Ala Val Pro Pro Val Asp Pro Gly Lys Asp Pro Thr
65 70 75 80
Val Leu Ser Ile Leu His
85

<210> 832
<211> 246
<212> PRT
<213> Homo sapiens

<400> 832
Met Ala Leu Leu Leu Cys Leu Val Cys Leu Thr Ala Ala Leu Ala His
1 5 10 15
Gly Cys Leu His Cys His Ser Asn Phe Ser Lys Lys Phe Ser Phe Tyr
20 25 30
Arg His His Val Asn Phe Lys Ser Trp Trp Val Gly Asp Ile Pro Val
35 40 45
Ser Gly Ala Leu Leu Thr Asp Trp Ser Asp Asp Thr Met Lys Glu Leu
50 55 60
His Leu Ala Ile Pro Ala Lys Ile Thr Arg Glu Lys Leu Asp Gln Val
65 70 75 80
Ala Thr Ala Val Tyr Gln Met Met Asp Gln Leu Tyr Gln Gly Lys Met
85 90 95
Tyr Phe Pro Gly Tyr Phe Pro Asn Glu Leu Arg Asn Ile Phe Arg Glu

100					105					110					
Gln	Val	His	Leu	Ile	Gln	Asn	Ala	Ile	Ile	Glu	Ser	Arg	Ile	Asp	Cys
		115					120					125			
Gln	His	Arg	Cys	Gly	Lys	Gln	Gly	Ser	Val	Gln	Ala	Glu	Gly	Arg	Ala
		130					135					140			
Gly	Gly	Ser	Ser	Gly	Pro	Trp	Arg	Leu	Arg	Gly	Ala	Leu	Ala	Ala	Leu
		145					150					155			
Val	Arg	Val	Ser	Gly	Ile	Phe	Gln	Tyr	Glu	Thr	Ile	Ser	Cys	Asn	Asn
				165					170					175	
Cys	Thr	Asp	Ser	His	Val	Ala	Cys	Phe	Gly	Tyr	Asn	Cys	Glu	Ser	Ser
			180						185					190	
Ala	Gln	Trp	Lys	Ser	Ala	Val	Gln	Gly	Leu	Leu	Asn	Tyr	Ile	Asn	Asn
			195						200					205	
Trp	His	Lys	Gln	Asp	Thr	Ser	Met	Ser	Leu	Val	Ser	Pro	Ala	Leu	Arg
			210						215					220	
Cys	Leu	Glu	Pro	Pro	His	Leu	Ala	Asn	Leu	Thr	Leu	Glu	Asp	Ala	Ala
									230					240	
Glu	Cys	Leu	Lys	Gln	His										
				245											

<210> 833

<211> 84

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring amino acids

<400> 833

Met	Trp	Ser	Ser	Ser	Trp	Asp	His	Arg	Ile	Thr	Thr	Pro	Arg	Leu	Ala
1				5					10					15	
Asn	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Phe	Val	Glu	Met	Gly	Phe
			20						25					30	
Arg	Tyr	Val	Gly	Gln	Ala	Gly	Leu	Lys	Leu	Leu	Ala	Ser	Ser	Asn	Leu
		35					40					45			
Pro	Ala	Leu	Ala	Ser	Gln	Ser	Ala	Gly	Ile	Thr	Gly	Val	Ser	His	His
		50					55				60				
Xaa	Trp	Leu	Gly	Gly	Leu	Ile	Lys	Thr	Pro	Ile	Leu	Ser	Leu	Thr	Pro
65					70					75					80

Arg Val Ser Gly

<210> 834

<211> 110

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (93)

<223> Xaa equals any of the naturally occurring amino acids

<400> 834

Met Phe Leu Ala Ser Trp Leu Leu Phe Cys Ile Val Ala Pro Lys Asp
1 5 10 15

Asp Ala His Leu Ser Phe Ile Gln Cys Lys Asp Ile Trp Lys Asp Asn
20 25 30

Arg Lys Tyr Ser Cys Phe His Phe Lys Ser Asp Gln Leu Leu Glu Leu
35 40 45

Ala Ser Lys Ala Cys Thr Ser Phe Gln Ala Gln Ser Arg Ser Phe Thr
50 55 60

Ala Gly Ala Val Pro Ser Glu His Pro Glu Leu Pro Cys Gly Ser Gln
65 70 75 80

Gln Leu Cys Cys Gly Cys Thr Ala Arg Leu Gly Gly Xaa Trp Ile Gly
85 90 95

Ala Ser Arg Cys Gly Ser Gly Ser Ala Phe Leu Ala Ser Pro
100 105 110

<210> 835

<211> 56

<212> PRT

<213> Homo sapiens

<400> 835

Met Cys Leu Ala Phe Ser Val Ile Ile Leu Ala Gly Ala Gly Ser Ser
1 5 10 15

Arg Ser Trp Asn Ser Val Leu Val Glu Lys GluVal Val Glu Gly Gly
20 25 30

Leu Gly Pro Trp Gly Asn Cys Ser Ala Glu Pro Leu Pro His Leu Leu
35 40 45

Leu Pro Arg Thr Asn Leu Lys Gly
50 55

<210> 836
 <211> 53
 <212> PRT
 <213> Homo sapiens

 <400> 836
 Met Gln Glu Cys Leu Leu His Gly Cys Cys Cys Tyr Leu Leu Arg Leu
 1 5 10 15
 Gly Val Leu Gly Thr Val Gln Cys Ile Ser Thr Trp Leu Ile Leu Thr
 20 25 30
 Ala Asn Glu Gln His Arg Leu Lys Glu Thr Ser Asn Ser Gln Ser Pro
 35 40 45
 Ala Val Ser Arg Ala
 50

<210> 837
 <211> 50
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (50)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 837
 Met Asn Phe Leu Val Phe Leu Ser Leu Ser Ser Ser Leu Val Ser Ala
 1 5 10 15
 Ala Gly Pro Arg Phe Pro Ser Arg Glu Arg Gly Val Gly Gly Val
 20 25 30
 Val Leu Ile Lys Ser Glu Asp Met Thr Leu Xaa Glu Arg Ser Lys Gly
 35 40 45
 Ser Xaa
 50

<210> 838
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 838

Met Pro Val Pro Leu Trp Leu Val Leu Trp Phe Cys Phe Leu Leu Tyr
1 5 10 15
Val Ala Ser Arg Arg Thr Phe Gly Leu Ala Asn Tyr Met Pro Leu Pro
20 25 30

<210> 839

<211> 71

<212> PRT

<213> Homo sapiens

<400> 839

Met Val Gln Gly Pro Leu Thr His Leu Met Leu Val Leu Leu Ile Ser
1 5 10 15
Leu Ile Phe Leu Ser Arg Gly Ser Gly Arg Ala Trp Ala Phe Ser His
20 25 30
Ser Cys Phe Lys Thr Ser Asp Leu Leu Pro Cys Arg Asn Arg Trp Glu
35 40 45
Val Ile Glu Phe Leu His Tyr Ser Asn Leu His Ser His Ile Ser Leu
50 55 60
Ser Val Thr Lys Thr Phe Leu
65 70

<210> 840

<211> 230

<212> PRT

<213> Homo sapiens

<400> 840

Met Ala Ser Leu Gly Leu Gln Leu Val Gly Tyr Ile Leu Gly Leu Leu
1 5 10 15
Gly Leu Leu Gly Thr Leu Val Ala Met Leu Leu Pro Ser Trp Lys Thr
20 25 30
Ser Ser Tyr Val Gly Ala Ser Ile Val Thr Ala Val Gly Phe Ser Lys
35 40 45
Gly Leu Trp Met Glu Cys Ala Thr His Ser Thr Gly Ile Thr Gln Cys
50 55 60
Asp Ile Tyr Ser Thr Leu Leu Gly Leu Pro Ala Asp Ile Gln Ala Ala
65 70 75 80
Gln Ala Met Met Val Thr Ser Ser Ala Ile Ser Ser Leu Ala Cys Ile

85										90					95				
Ile	Ser	Val	Val	Gly	Met	Arg	Cys	Thr	Val	Phe	Cys	Gln	Glu	Ser	Arg				
			100					105					110						
Ala	Lys	Asp	Arg	Val	Ala	Val	Ala	Gly	Gly	Val	Phe	Phe	Ile	Leu	Gly				
		115					120					125							
Gly	Leu	Leu	Gly	Phe	Ile	Pro	Val	Ala	Trp	Asn	Leu	His	Gly	Ile	Leu				
	130					135					140								
Arg	Asp	Phe	Tyr	Ser	Pro	Leu	Val	Pro	Asp	Ser	Met	Lys	Phe	Glu	Ile				
145					150				155					160					
Gly	Glu	Ala	Leu	Tyr	Leu	Gly	Ile	Ile	Ser	Ser	Leu	Phe	Ser	Leu	Ile				
			165						170					175					
Ala	Gly	Ile	Ile	Leu	Cys	Phe	Ser	Cys	Ser	Ser	Gln	Arg	Asn	Arg	Ser				
			180					185					190						
Asn	Tyr	Tyr	Asp	Ala	Tyr	Gln	Ala	Gln	Pro	Leu	Ala	Thr	Arg	Ser	Ser				
	195					200						205							
Pro	Arg	Pro	Gly	Gln	Pro	Pro	Lys	Val	Lys	Ser	Glu	Phe	Asn	Ser	Tyr				
	210					215					220								
Ser	Leu	Thr	Gly	Tyr	Val														
225					230														

<210> 841
 <211> 37
 <212> PRT
 <213> Homo sapiens

<400> 841
 Met Cys Tyr Ile Pro Gly Ser Thr Gly Gly Gln Cys Trp Pro Trp Cys
 1 5 10 15
 Trp Cys Trp Leu Cys Arg Glu Ala Leu Glu Trp Leu Cys Gly Ala Val
 20 25 30
 Ser Ala Gly Pro Ala
 35

<210> 842
 <211> 133
 <212> PRT
 <213> Homo sapiens

<400> 842
 Met Arg Val Pro Leu Val Leu Ser Trp Ala Phe Val Leu Val Gly Phe
 1 5 10 15

Ser Gly Val Tyr Leu Ala Ser Glu Ser Phe Trp Phe Pro Pro Ser Leu
 20 25 30
 Cys Asp Leu Thr Ser Pro Pro Gly Leu His Leu Trp Lys Phe Ile Arg
 35 40 45
 Asp Leu Val Ser Met Glu Glu Leu Thr Asp Ser Ala Arg Glu Met Gly
 50 55 60
 Tyr Trp Met Met Val Phe Ser Leu Lys Ala Met Phe Pro Val Ser Ser
 65 70 75 80
 Gly Cys Phe Gln Glu Arg Gln Glu Thr Asn Lys Ser Leu Thr Leu Leu
 85 90 95
 Arg Cys Ser Gln Arg Asp Thr Ser Pro Leu Met Asp Gly Gln Thr Trp
 100 105 110
 Ala Arg Val Arg Val Thr Lys Pro Pro Thr Thr Ala Thr Ala Ala Tyr
 115 120 125
 Asn Arg His Ile Arg
 130

<210> 843
 <211> 42
 <212> PRT
 <213> Homo sapiens

<400> 843
 Met Phe Leu Phe Ile Thr Phe Thr Ile Leu Ala Ile Phe Ile Ile Glu
 1 5 10 15
 Pro Arg Asn Leu Arg Val Asp Leu Asn Leu Ile Lys Phe Gln Thr Ser
 20 25 30
 Trp Pro Lys Thr Leu Val Glu Glu Gln Asn
 35 40

<210> 844
 <211> 85
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 844
 Met Gly Met Pro Leu Val Thr Val Thr Ala Ala Thr Phe Pro Thr Leu
 1 5 10 15

Ser Cys Pro Pro Arg Ala Trp Pro Glu Val Glu Ala Pro Glu Ala Pro
 20 25 30
 Ala Leu Pro Val Val Pro Glu Leu Pro Glu Val Pro Met Glu Met Pro
 35 40 45
 Leu Val Leu Pro Pro Glu Leu Glu Leu Leu Ser Leu Glu Ala Val His
 50 55 60
 Arg Tyr Gln Xaa Gly Gly Thr Leu Met Gly Trp Thr Arg Ala Glu Ala
 65 70 75 80
 Ser Ala Asn Gly Ser
 85

<210> 845
 <211> 102
 <212> PRT
 <213> Homo sapiens

<400> 845
 Met Leu Cys His Pro His Val His His His Leu Val Cys Leu Leu Ala
 1 5 10 15
 Thr Leu Thr Phe Ser Leu Asn Ala Ser Cys Ala Glu Gln Thr Phe His
 20 25 30
 Ser Gln Gln Ser Asn Gly Glu Phe Met Ala Thr Leu Pro Ser Ile Ser
 35 40 45
 Lys Gln Phe Gly Val Ile Val Trp Lys Pro Gln Arg Lys Asp Val Ile
 50 55 60
 Arg Leu Pro Val Ala Leu Ser Phe Ser Ser Gly Ala Arg Leu Ala Phe
 65 70 75 80
 Thr Cys Leu Arg Lys Ile Ser Gly Phe Arg Ala Leu Ile Trp Gly Glu
 85 90 95
 Asp Lys Gly Trp Asp Leu
 100

<210> 846
 <211> 102
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (91)
 <223> Xaa equals any of the naturally occurring amino acids
 <220>

<221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (93)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 846
 Met Gly Arg Arg Ser Gly Leu Leu Gly Leu Arg Pro Gly Arg Ser Arg
 1 5 10 15
 Trp Arg Trp Ser Gly Ser Val Trp Val Arg Ser Val Leu Leu Leu Leu
 20 25 30
 Gly Gly Leu Arg Ala Ser Ala Thr Ser Thr Pro Val Ser Leu Gly Ser
 35 40 45
 Ser Pro Pro Cys Arg His His Val Pro Ser Asp Thr Glu Val Ile Asn
 50 55 60
 Lys Val His Leu Lys Ala Asn His Val Val Lys Arg Asp Val Asp Glu
 65 70 75 80
 His Leu Arg Ile Lys Thr Val Tyr Asp Lys Xaa Xaa Xaa Ser Cys Ser
 85 90 95
 Leu Arg Lys Arg Ile Leu
 100

<210> 847
 <211> 56
 <212> PRT
 <213> Homo sapiens

<400> 847
 Met Phe Leu Lys Val Leu Val Phe Leu Ile Phe Phe Ser Pro Phe Ser
 1 5 10 15
 Ser Ser Leu Phe Ser Gly Glu Ala Val Arg Gly Arg Gly Ala Gly Leu
 20 25 30
 Gly Leu Gly Ile Gly Arg Gly Trp Thr Ser Cys Leu Ser Val Leu Asn
 35 40 45
 Gly Cys Asp Gly Ala Arg Ser His
 50 55

<210> 848
 <211> 52
 <212> PRT
 <213> Homo sapiens

<400> 848

Met Gly Pro Cys Arg Ala Ser Arg Cys Leu Ser Leu Leu Val Leu Phe
1 5 10 15
Pro Pro Gly Val Ala Gly Arg Pro Ala Pro Gly Arg Leu His Pro Val
20 25 30
Pro Thr Gly Pro Leu Pro Arg Met Tyr Ser Ala Gly Ala Arg Gly Arg
35 40 45
His Gly Ala His
50

<210> 849

<211> 159

<212> PRT

<213> Homo sapiens

<400> 849

Met Ser Gln Ala Trp Val Pro Gly Leu Ala Pro Thr Leu Leu Phe Ser
1 5 10 15
Leu Leu Ala Gly Pro Gln Lys Ile Ala Ala Lys Cys Gly Leu Ile Leu
20 25 30
Ala Cys Pro Lys Gly Phe Lys Cys Cys Gly Asp Ser Cys Cys Gln Gl
35 40 45
Asn Glu Leu Phe Pro Gly Pro Val Arg Ile Phe Val Ile Ile Phe Leu
50 55 60
Val Ile Leu Ser Val Phe Cys Ile Cys Gly Leu Ala Lys Cys Phe Cys
65 70 75 80
Arg Asn Cys Arg Glu Pro Glu Pro Asp Ser Pro Val Asp Cys Arg Gly
85 90 95
Pro Leu Glu Leu Pro Ser Ile Ile Pro Pro Glu Arg Val Arg Val Ser
100 105 110
Leu Ser Ala Pro Pro Pro Pro Tyr Ser Glu Val Ile Leu Lys Pro Ser
115 120 125
Leu Gly Pro Thr Pro Thr Glu Pro Pro Pro Pro Tyr Ser Phe Arg Pro
130 135 140
Glu Glu Tyr Thr Gly Asp Gln Arg Gly Ile Asp Asn Pro Ala Phe
145 150 155

<210> 850

<211> 50

<212> PRT

<213> Homo sapiens

<400> 850

Met Asp Gly Gly Pro Gly Ala Phe Ser Arg Ala Trp ValLeu Gln Ile
1 5 10 15
Pro Trp Leu Leu Leu Ser Gly Gly Asn Phe Ala Leu Cys Glu Pro Arg
20 25 30
Pro Cys Pro Ser Ala Gly His Pro Trp Gln Glu Ala Gly LeuPro Ser
35 40 45
Ser Pro
50

<210> 851

<211> 151

<212> PRT

<213> Homo sapiens

<400> 851

Met Arg Arg Leu Leu Leu Val Thr Ser Leu Val Val Val Leu Leu Trp
1 5 10 15
Glu Ala Gly Ala Val Pro Ala Pro Lys Val Pro Ile Lys Met Gln Val
20 25 30
Lys His Trp Pro Ser Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg
35 40 45
Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro
50 55 60
Val Gln Lys Pro Lys Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Gln
65 70 75 80
Gly Arg Gly Pro Ile Leu Pro Gly Thr Lys Ala Trp Met Glu Thr Glu
85 90 95
Asp Thr Leu Gly Arg Val Leu Ser Pro Glu Pro Asp His Asp Ser Leu
100 105 110
Tyr His Pro Pro Pro Glu Glu Asp Gln Gly Glu Glu Arg Pro Arg Leu
115 120 125
Trp Val Met Pro Asn His Gln Val Leu Leu Gly Pro Glu Glu Asp Gln
130 135 140
Asp His Ile Tyr His Pro Gln
145 150

<210> 852

<211> 522

<212> PRT

<213> Homo sapiens

<400> 852

```
Met Arg Leu Arg Val Arg Leu Leu Lys Arg Thr Trp Pro Leu Glu Val
 1              5              10              15

Pro Glu Thr Glu Pro Thr Leu Gly His Leu Arg Ser His Leu Arg Gln
      20              25              30

Ser Leu Leu Cys Thr Trp Gly Tyr Ser Ser Asn Thr Arg Phe Thr Ile
      35              40              45

Thr Leu Asn Tyr Lys Asp Pro Leu Thr Gly Asp Glu Glu Thr Leu Ala
      50              55              60

Ser Tyr Gly Ile Val Ser Gly Asp Leu Ile Cys Leu Ile Leu Gln Asp
      65              70              75              80

Asp Ile Pro Ala Pro Asn Ile Pro Ser Ser Thr Asp Ser Glu His Ser
      85              90              95

Ser Leu Gln Asn Asn Glu Gln Pro Ser Leu Ala Thr Ser Ser Asn Gln
      100             105             110

Thr Ser Met Gln Asp Glu Gln Pro Ser Asp Ser Phe Gln Gly Gln Ala
      115             120             125

Ala Gln Ser Gly Val Trp Asn Asp Asp Ser Met Leu Gly Pro Ser Gln
      130             135             140

Asn Phe Glu Ala Glu Ser Ile Gln Asp Asn Ala His Met Ala Glu Gly
      145             150             155             160

Thr Gly Phe Tyr Pro Ser Glu Pro Met Leu Cys Ser Glu Ser Val Glu
      165             170             175

Gly Gln Val Pro His Ser Leu Glu Thr Leu Tyr Gln Ser Ala Asn Cys
      180             185             190

Ser Asp Ala Asn Asp Ala Leu Ile Val Leu Ile His Leu Leu Met Leu
      195             200             205

Glu Ser Gly Tyr Ile Pro Gln Gly Thr Glu Ala Lys Ala Leu Ser Met
      210             215             220

Pro Glu Lys Trp Lys Leu Ser Gly Val Tyr Lys Leu Gln Tyr Met His
      225             230             235             240

Pro Leu Cys Glu Gly Ser Ser Ala Thr Leu Thr Cys Val Pro Leu Gly
      245             250             255

Asn Leu Ile Val Val Asn Ala Thr Leu Lys Ile Asn Asn Glu Ile Arg
      260             265             270

Ser Val Lys Arg Leu Gln Leu Leu Pro Glu Ser Phe Ile Cys Lys Glu
      275             280             285
```

Lys Leu Gly Glu Asn Val Ala Asn Ile Tyr Lys Asp Leu Gln Lys Leu
 290 295 300
 Ser Arg Leu Phe Lys Asp Gln Leu Val Tyr Pro Leu Leu Ala Phe Thr
 305 310 315 320
 Arg Gln Ala Leu Asn Leu Pro Asp Val Phe Gly Leu Val Val Leu Pro
 325 330 335
 Leu Glu Leu Lys Leu Arg Ile Phe Arg Leu Leu Asp Val Arg Ser Val
 340 345 350
 Leu Ser Leu Ser Ala Val Cys Arg Asp Leu Phe Thr Ala Ser Asn Asp
 355 360 365
 Pro Leu Leu Trp Arg Phe Leu Tyr Leu Arg Asp Phe Arg Asp Asn Thr
 370 375 80
 Val Arg Val Gln Asp Thr Asp Trp Lys Glu Leu Tyr Arg Lys Arg His
 385 390 395 400
 Ile Gln Arg Lys Glu Ser Pro Lys Gly Arg Phe Val Met Leu Leu Pro
 405 410 415
 Ser Ser Thr His Thr Ile Pro Phe Tyr Pro Asn Pro Leu His Pro Arg
 420 425 430
 Pro Phe Pro Ser Ser Arg Leu Pro Pro Gly Ile Ile Gly Gly Glu Tyr
 435 440 445
 Asp Gln Arg Pro Thr Leu Pro Tyr Val Gly Asp Pro Ile Ser Ser Leu
 450 455 460
 Ile Pro Gly Pro Gly Glu Thr Pro Ser Gln Phe Pro Pro Leu Arg Pro
 465 470 475 480
 Arg Phe Asp Pro Val Gly Pro Leu Pro Gly Pro Asn Pro Ile Leu Pro
 485 490 495
 Gly Arg Gly Gly Pro Asn Asp Arg Phe Pro Phe Arg Pro Ser Arg Gly
 500 505 510
 Arg Pro Thr Asp Gly Arg Leu Ser Phe Met
 515 520

<210> 853
 <211> 45
 <212> PRT
 <213> Homo sapiens

<400> 853
 Met Leu Val Ser Leu Ile Ile Cys Leu Leu Leu Asp Leu Leu Asn Gln
 1 5 10 15

Pro Ser Leu Leu Arg Asp Leu Ile Leu Lys Gln His Thr Gly Asn Pro
 20 25 30

His Leu Ser Phe Pro Leu Lys Tyr Ser His Trp Met Gly
 35 40 45

<210> 854
 <211> 168
 <212> PRT
 <213> Homo sapiens

<400> 854
 Met Val Thr Phe Ile Thr Ala Thr Leu Trp Ile Ala Val Phe Ser Tyr
 1 5 10 15

Ile Met Val Trp Leu Val Thr Ile Ile Gly Tyr Thr Leu Gly Ile Pro
 20 25 30

Asp Val Ile Met Gly Ile Thr Phe Leu Ala Ala Gly Gln Val Ser Arg
 35 40 45

Leu His Gly Gln Pro Asn Cys Gly Glu Thr Arg Pro Trp Gly His Gly
 50 55 60

Ser Leu Gln His His Arg Ser Asn Val Phe Asp Ile Leu Val Gly Leu
 65 70 75 80

Gly Val Pro Trp Gly Leu Gln Thr Met Val Val Asn Tyr Gly Ser Thr
 85 90 95

Val Lys Ile Asn Ser Arg Gly Leu Val Tyr Ser Val Val Leu Leu Leu
 100 105 110

Gly Ser Val Ala Leu Thr Val Leu Gly Ile His Leu Asn Lys Trp Arg
 115 120 125

Leu Asp Arg Lys Leu Gly Val Tyr Val Leu Val Leu Tyr Ala Ile Phe
 130 135 140

Leu Cys Phe Ser Ile Met Ile Glu Phe Asn Val Phe Thr Phe Val Asn
 145 150 155 160

Leu Pro Met Cys Arg Glu Asp Asp
 165

<210> 855
 <211> 168
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (83)

<223> Xaa equals any of the naturally occurring amino acids

<400> 855

```
Met Pro Leu Leu Arg Gly Leu Leu Trp Leu Gln Val Leu Cys Ala Gly
 1          5          10          15

Pro Leu His Thr Glu Ala Val Val Leu Leu Val Pro Ser Asp Asp Gly
          20          25          30

Arg Ala Phe Leu Leu Arg Ser Arg Leu Leu His Pro Glu Ala His Val
          35          40          45

Pro Pro Ala Ala Asp Arg Gly Ala Ser Leu Gln Cys Val Leu His Gln
          50          55          60

Ala Ala Pro Lys Ser Arg Pro Arg Ser Pro Ala Ala Gly Ala Ala Leu
          65          70          75          80

Leu His Xaa Pro Arg Arg Thr Gly Asp Glu Pro Cys Arg Glu Phe His
          85          90          95

Gly Asn Gly Phe Pro Gly Pro Thr Gln Leu Thr Pro Gly Glu Cys Gly
          100          105          110

Leu Pro Ala Pro Ser Ser Leu Leu Gln His Ala Ser Ala Pro Val Arg
          115          120          125

Thr Gly Ser Glu Gly Gln Val Val Gly Cys Pro Arg Ala Arg Gly Glu
          130          135          140

Thr Gly Glu Gly Leu Ser Leu Ala Phe Leu Ser Ser Leu Met Phe Thr
          145          150          155          160

Ser Arg Asn Gly Leu Val Gly Cys
          165
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<210> 856

<211> 43

<212> PRT

<213> Homo sapiens

<400> 856

```
Met Asn Leu Ile Phe Arg Leu Pro Cys Ile Leu Leu Thr Cys Ile Tyr
 1          5          10          15

Val Gln Gln Cys Val Cys Lys Tyr Ile Gly Thr Phe Leu Asn Arg Val
          20          25          30

Cys Ala Met Cys Lys Gly Leu Leu Thr Val Lys
          35          40
```

<210> 857

<211> 187

<212> PRT
<213> Homo sapiens

<400> 857

Met Val Ala Ala Thr Val Ala Ala Ala Trp Leu Bu Leu Trp Ala Ala
1 5 10 15
Ala Cys Ala Gln Gln Glu Gln Asp Phe Tyr Asp Phe Lys Ala Val Asn
20 25 30
Ile Arg Gly Lys Leu Val Ser Leu Glu Lys Tyr Arg GY Ser Val Ser
35 40 45
Leu Val Val Asn Val Ala Ser Glu Cys Gly Phe Thr Asp Gln His Tyr
50 55 60
Arg Ala Leu Gln Gln Leu Gln Arg Asp Leu Gly Pro His His Phe Asn
65 70 75 80
Val Leu Ala Phe Pro Cys Asn Gln Phe Gly Gln Gln Glu Pro Asp Ser
85 90 95
Asn Lys Glu Ile Glu Ser Phe Ala Arg Arg Thr Tyr Ser Val Ser Phe
100 105 110
Pro Met Phe Ser Lys Ile Ala Val Thr Gly Thr Gly Ala His Pro Ala
115 120 125
Phe Lys Tyr Leu Ala Gln Thr Ser Gly Lys Glu Pro Thr Trp Asn Phe
130 135 140
Trp Lys Tyr Leu Val Ala Pro Asp Gly Lys Val Val Gly Ala Trp Asp
145 150 155 160
Pro Thr Val Ser Val Glu Glu Val Arg Pro Gln Ile Thr Ala Leu Val
165 170 175
Arg Lys Leu Ile Leu Leu Lys Arg Glu Asp Leu
180 185

<210> 858
<211> 52
<212> PRT
<213> Homo sapiens

<400> 858

Met Lys Cys Phe Phe Leu Phe Val Val Ile Leu Ile Ile Met LysSer
1 5 10 15
Asn Leu Ser Asp Ile Ile Ile Ala Thr Tyr Thr Tyr Cys Ile Pro Asp
20 25 30
Tyr Phe Phe His Thr Phe Ile Phe Asn Leu Ser Val Tyr Leu Asn Ser
35 40 45

Lys Phe Ile Ser
50

<210> 859
<211> 40
<212> PRT
<213> Homo sapiens

<400> 859
Met Arg Arg Gln Thr Phe Met Ser Ile Leu Val Phe Gln Cys Ser Pro
1 5 10 15
Ile Ser Phe Gly Leu Cys Ile Asn Lys Glu Arg Thr Val Val Ser Ser
20 25 30
Val Ile Thr Asp Asn Leu Cys Leu
35 40

<210> 860
<211> 346
<212> PRT
<213> Homo sapiens

<400> 860
Met Asp Pro Ala Arg Lys Ala Gly Ala Gln Ala Met Ile Trp Thr Ala
1 5 10 15
Gly Trp Leu Leu Leu Leu Leu Leu Arg Gly Gly Ala Gln Ala Leu Glu
20 25 30
Cys Tyr Ser Cys Val Gln Lys Ala Asp Asp Gly Cys Ser Pro Asn Lys
35 40 45
Met Lys Thr Val Lys Cys Ala Pro Gly Val Asp Val Cys Thr Glu Ala
50 55 60
Val Gly Ala Val Glu Thr Ile His Gly Gln Phe Ser Leu Ala Val Arg
65 70 75 80
Gly Cys Gly Ser Gly Leu Pro Gly Lys Asn Asp Arg Gly Leu Asp Leu
85 90 95
His Gly Leu Leu Ala Phe Ile Gln Leu Gln Gln Cys Ala Gln Asp Arg
100 105 110
Cys Asn Ala Lys Leu Asn Leu Thr Ser Arg Ala Leu Asp Pro Ala Gly
115 120 125
Asn Glu Ser Ala Tyr Pro Pro Asn Gly Val Glu Cys Tyr Ser Cys Val
130 135 140
Gly Leu Ser Arg Glu Ala Cys Gln Gly Thr Ser Pro Pro Val Val Ser
145 150 155 160

Cys Tyr Asn Ala Ser Asp His Val Tyr Lys Gly Cys Phe Asp Gly Asn
 165 170 175
 Val Thr Leu Thr Ala Ala Asn Val Thr Val Ser Leu Pro Val Arg Gly
 180 185 190
 Cys Val Gln Asp Glu Phe Cys Thr Arg Asp Gly Val Thr Gly Pro Gly
 195 200 205
 Phe Thr Leu Ser Gly Ser Cys Cys Gln Gly Ser Arg Cys Asn Ser Asp
 210 215 220
 Leu Arg Asn Lys Thr Tyr Phe Ser Pro Arg Ile Pro Pro Leu Val Arg
 225 230 235 240
 Leu Pro Pro Pro Glu Pro Thr Thr Val Ala Ser Thr Thr Ser Val Thr
 245 250 255
 Thr Ser Thr Ser Ala Pro Val Arg Pro Thr Ser Thr Thr Lys Pro Met
 260 265 270
 Pro Ala Pro Thr Ser Gln Thr Pro Arg Gln Gly Val Glu His Glu Ala
 275 280 285
 Ser Arg Asp Glu Glu Pro Arg Leu Thr Gly Gly Ala Ala Gly His Gln
 290 295 300
 Asp Arg Ser Asn Ser Gly Gln Tyr Pro Ala Lys Gly Gly Pro Gln Gln
 305 310 315 320
 Pro His Asn Lys Gly Cys Val Ala Pro Thr Ala Gly Leu Ala Ala Leu
 325 330 335
 Leu Leu Ala Val Ala Ala Gly Val Leu Leu
 340 345

<210> 861
 <211> 165
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (127)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 861
 Met Cys Leu Ser Leu Leu Ala Ala Leu Ala Cys Ser Ala Gly Asp Thr
 1 5 10 15

Trp Ala Ser Glu Val Gly Pro Val Leu Ser Lys Ser Ser Pro Arg Leu
 20 25 30

Ile Thr Thr Trp Glu Lys Val Pro Val Gly Thr Asn Gly Gly Val Thr

35					40					45					
Val	Val	Gly	Leu	Val	Ser	Ser	Leu	Leu	Gly	Gly	Thr	Phe	Val	Gly	Ile
	50					55					60				
Ala	Tyr	Phe	Leu	Thr	Gln	Leu	Ile	Phe	Val	Asn	Asp	Leu	Asp	Ile	Ser
65					70					75					80
Ala	Pro	Gln	Trp	Pro	Ile	Ile	Ala	Phe	Gly	Gly	Leu	Ala	Gly	Leu	Leu
				85					90					95	
Gly	Ser	Ile	Val	Asp	Ser	Tyr	Leu	Gly	Ala	Thr	Met	Gln	Tyr	Thr	Gly
			100					105					110		
Leu	Asp	Glu	Ser	Thr	Gly	Met	Val	Val	Asn	Ser	Pro	Thr	Asn	Xaa	Ala
		115					120					125			
Arg	His	Ile	Ala	Gly	Lys	Pro	Ile	Leu	Asp	Asn	Asn	Ala	Val	Asn	Leu
	130					135					140				
Phe	Ser	Ser	Val	Leu	Ile	Ala	Leu	Leu	Leu	Pro	Thr	Ala	Ala	Trp	Gly
145					150					155					160
Phe	Trp	Pro	Arg	Gly											
				165											

<210> 862
 <211> 122
 <212> PRT
 <213> Homo sapiens

<400> 862															
Met	Pro	Pro	Leu	Ala	Pro	Gln	Leu	Cys	Arg	Ala	Val	Phe	Leu	Val	Pro
1				5					10					15	
Ile	Leu	Leu	Leu	Leu	Gln	Val	Lys	Pro	Leu	Asn	Gly	Ser	Pro	Gly	Pro
			20					25					30		
Lys	Asp	Gly	Ser	Gln	Thr	Glu	Lys	Thr	Pro	Ser	Ala	Asp	Gln	Asn	Gln
		35					40					45			
Glu	Gln	Phe	Glu	Glu	His	Phe	Val	Ala	Ser	Ser	Val	Gly	Glu	Met	Trp
	50					55					60				
Gln	Val	Val	Asp	Met	Ala	Gln	Gln	Glu	Glu	Asp	Gln	Ser	Ser	Lys	Thr
65					70					75					80
Ala	Ala	Val	His	Lys	His	Ser	Phe	His	Leu	Ser	Phe	Cys	Phe	Ser	Leu
				85					90					95	
Ala	Ser	Val	Met	Val	Phe	Ser	Gly	Gly	Pro	Leu	Arg	Arg	Thr	Phe	Pro
			100					105					110		
Asn	Ile	Gln	Leu	Cys	Phe	Met	Leu	Thr	His						
		115					120								

<210> 863
 <211> 208
 <212> PRT
 <213> Homo sapiens

<400> 863
 Met Trp Leu Phe Ile Leu Leu Ser Leu Ala Leu Ile Ser Asp Ala Met
 1 5 10 15
 Val Met Asp Glu Lys Val Lys Arg Ser Phe Val Leu Asp Thr Ala Ser
 20 25 30
 Ala Ile Cys Asn Tyr Asn Ala His Tyr Lys Asn His Pro Lys Tyr Trp
 35 40 45
 Cys Arg Gly Tyr Phe Arg Asp Tyr Cys Asn Ile Ile Ala Phe Ser Pro
 50 55 60
 Asn Ser Thr Asn His Val Ala Leu Arg Asp Thr Gly Asn Gln Leu Ile
 65 70 75 80
 Val Thr Met Ser Cys Leu Thr Lys Glu Asp Thr Gly Trp Tyr Trp Cys
 85 90 95
 Gly Ile Gln Arg Asp Phe Ala Arg Asp Asp Met Asp Phe Thr Glu Leu
 100 105 110
 Ile Val Thr Asp Asp Lys Gly Thr Leu Ala Asn Asp Phe Trp Ser Gly
 115 120 125
 Lys Asp Leu Ser Gly Asn Lys Thr Arg Ser Cys Lys Ala Pro Lys Val
 130 135 140
 Val Arg Lys Ala Asp Arg Ser Arg Thr Ser Ile Leu Ile Ile Cys Ile
 145 150 155 160
 Leu Ile Thr Gly Leu Gly Ile Ile Ser Val Ile Ser His Leu Thr Lys
 165 170 175
 Arg Arg Arg Ser Gln Arg Asn Arg Arg Val Gly Asn Thr Leu Lys Pro
 180 185 190
 Phe Ser Arg Val Leu Thr Pro Lys Glu Met Ala Pro Thr Glu Gln Met
 195 200 205

<210> 864
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 864

Met Ile Lys His Val Ala Trp Leu Ile Phe Thr Asn Cys Ile Phe Phe
1 5 10 15
Cys Pro Val Ala Phe Phe Ser Phe Ala Pro Leu Ile Thr Ala Ile Ser
20 25 30
Ile Ser Pro Glu Ile Met Lys Ser Val Thr Leu Ile Phe Phe Pro Cys
35 40 45
Leu Leu Ala
50

<210> 865

<211> 118

<212> PRT

<213> Homo sapiens

<400> 865

Met Cys Tyr Leu Leu Leu Leu Ile Gln Thr Ala Glu Leu Leu Ile
1 5 10 15
His Pro Gln Gly Leu Gln Ala Val Ser Asn Gly Glu Ser Ala Leu Lys
20 25 30
Gly Thr Arg Pro Thr Phe Ser Ser Pro Phe Ile Leu Val Thr Glu Gly
35 40 45
Arg Lys Glu Trp Glu Gly Val Phe Leu Ser Ser Gly Trp Lys Gly Asn
50 55 60
Thr Leu Ser Asn Tyr Tyr Ile Ser Leu Val Phe Tyr Tyr Ser Arg Ile
65 70 75 80
Leu Gln Pro Tyr Phe Tyr Cys Leu Trp Gly Lys Leu Glu Met Val Thr
85 90 95
Leu Ile Arg Ser Val Trp Arg Gly Ile Asn Gly Gly Asp Lys Ile Ser
100 105 110
Val Gly Phe Gly Lys Cys
115

<210> 866

<211> 169

<212> PRT

<213> Homo sapiens

<400> 866

Met Trp Ala Val Leu Arg Leu Ala Leu Arg Pro Cys Ala Arg Ala Ser
1 5 10 15

Pro Ala Gly Pro Arg Ala Tyr His Gly Asp Ser Val Ala Ser Leu Gly
 20 25 30
 Thr Gln Pro Asp Leu Gly Ser Ala Leu Tyr Gln Glu Asn Tyr Lys Gln
 35 40 45
 Met Lys Ala Leu Val Asn Gln Leu His Glu Arg Val Glu His Ile Lys
 50 55 60
 Leu Gly Gly Gly Glu Lys Ala Arg Ala Leu His Ile Ser Arg Gly Lys
 65 70 75 80
 Leu Leu Pro Arg Glu Arg Ile Asp Asn Leu Ile Asp Pro Gly Ser Pro
 85 90 95
 Phe Leu Glu Leu Ser Gln Phe Ala Gly Tyr Gln Leu Tyr Asp Asn Glu
 100 105 110
 Glu Val Pro Gly Gly Gly Ile Ile Thr Gly Ile Gly Arg Val Ser Gly
 115 120 125
 Val Glu Cys Met Ile Ile Ala Asn Asp Ala Thr Val Lys Gly Gly Ala
 130 135 140
 Tyr Tyr Pro Val Thr Val Lys Lys Gln Leu Arg Ala Gln Glu Ile Ala
 145 150 155 160
 Met Gln Thr Gly Ser Pro Ala Ser Thr
 165

<210> 867
 <211> 47
 <212> PRT
 <213> Homo sapiens

<400> 867
 Met Thr Ala Gly Phe Met Gly Met Ala Val Ala Ile Ile Leu Phe Gly
 1 5 10 15
 Trp Ile Ile Gly Val Leu Gly Cys Cys Trp Asp Arg Gly Leu Met Gln
 20 25 30
 Tyr Val Ala Gly Cys Ser Ser Ser Trp Glu Gly Lys Gln Trp Asn
 35 40 45

<210> 868
 <211> 203
 <212> PRT
 <213> Homo sapiens

<400> 868
 Met Gln Leu Gly Ser Val Leu Leu Thr Arg Cys Pro Phe Trp Gly Cys
 1 5 10 15

Phe Ser Gln Leu Met Leu Tyr Ala Glu Arg Ala Glu Ala Arg Arg Lys
20 25 30
Pro Asp Ile Pro Val Pro Tyr Leu Tyr Phe Asp Met Gly Ala Ala Val
35 40 45
Leu Cys Ala Ser Phe Met Ser Phe Gly Val Lys Arg Arg Trp Phe Ala
50 55 60
Leu Gly Ala Ala Leu Gln Leu Ala Ile Ser Thr Tyr Ala Ala Tyr Ile
65 70 75 80
Gly Gly Tyr Val His Tyr Gly Asp Trp Leu Lys Val Arg Met Tyr Ser
85 90 95
Arg Thr Val Ala Ile Ile Gly Gly Phe Leu Val Leu Ala Ser Gly Ala
100 105 110
Gly Glu Leu Tyr Arg Arg Lys Pro Arg Ser Arg Ser Leu Gln Ser Thr
115 120 125
Gly Gln Val Phe Leu Gly Ile Tyr Leu Ile Cys Val Ala Tyr Ser Leu
130 135 140
Gln His Ser Lys Glu Asp Arg Leu Ala Tyr Leu Asn His Leu Pro Gly
145 150 155 160
Gly Glu Leu Met Ile Gln Leu Phe Phe Val Leu Tyr Gly Ile Leu Ala
165 170 175
Pro Gly Leu Ser Val Arg Leu Leu Arg Asp Pro Arg Cys Pro Asp Pro
180 185 190
Gly Cys Thr Ala Ala Pro Cys His Ala Ala His
195 200

<210> 869

<211> 123

<212> PRT

<213> Homo sapiens

<400> 869

Met His Asp Gly Ser Lys Pro Phe Pro Arg Tyr Gly Tyr Lys Pro Ser
1 5 10 15
Pro Pro Asn Gly Cys Gly Ser Pro Leu Phe Gly Val HisLeu Asn Ile
20 25 30
Gly Ile Pro Ser Leu Thr Lys Cys Cys Asn Gln His Asp Arg Cys Tyr
35 40 45
Glu Thr Cys Gly Lys Ser Lys Asn Asp Cys Asp Glu Glu Phe Gln Tyr
50 55 60

Cys Leu Ser Lys Ile Cys Arg Asp Val Gln Lys Thr Leu Gly Leu Thr
 65 70 75 80
 Gln His Val Gln Ala Cys Glu Thr Thr Val Glu Leu Leu Phe Asp Ser
 85 90 95
 Val Ile His Leu Gly Cys Lys Pro Tyr Leu Asp Ser Gln Arg Ala Ala
 100 105 110
 Cys Arg Cys His Tyr Glu Glu Lys Thr Asp Leu
 115 120

<210> 870
 <211> 91
 <212> PRT
 <213> Homo sapiens

<400> 870
 Met Leu Arg Cys Gly Gly Arg Gly Leu Leu Leu Gly Leu Ala Val Ala
 1 5 10 15
 Ala Ala Ala Val Met Ala Ala Arg Leu Met Gly Trp Trp Tyr Pro Arg
 20 25 30
 Ala Gly Phe Arg Leu Phe Ile Pro Glu Glu Leu Ser Arg Tyr Arg Gly
 35 40 45
 Gly Pro Gly Asp Pro Gly Leu Tyr Leu Ala Leu Leu Gly Arg Val Tyr
 50 55 60
 Asp Val Ser Ser Gly Arg Ser Thr Thr Ser Leu Gly Pro Thr Ile Ala
 65 70 75 80
 Ala Ser Gln Ala Glu Thr His Pro Glu Leu Ser
 85 90

<210> 871
 <211> 23
 <212> PRT
 <213> Homo sapiens

<400> 871
 Leu Gly Ser Leu Ser Thr Ala Pro Ser Ser Ala Leu Pro Thr Leu Gly
 1 5 10 15
 Ala Arg Arg Thr Arg Ser Lys
 20

<210> 872
 <211> 60
 <212> PRT

<213> Homo sapiens

<400> 872

Met Gly Asn Cys Gln Ala Gly His Asn Leu His Leu Cys Leu Ala His
1 5 10 15
His Pro Pro Leu Val Cys Ala Thr Leu Ile Leu Leu Leu Leu Gly Leu
20 25 30
Ser Gly Leu Gly Leu Gly Ser Phe Leu Leu Thr His Arg Thr Gly Leu
35 40 45
Arg Thr Leu Thr Ser Pro Arg Thr Gly Ser Leu Phe
50 55 60

<210> 873

<211> 173

<212> PRT

<213> Homo sapiens

<400> 873

Met Glu Ala Pro Gly Pro Arg Ala Leu Arg Thr Ala Leu Cys Gly Gly
1 5 10 15
Cys Cys Cys Leu Leu Leu Cys Ala Gln Leu Ala Val Ala Gly Lys Gly
20 25 30
Ala Arg Gly Phe Gly Arg Gly Ala Leu Ile Arg Leu Asn Ile Trp Pro
35 40 45
Ala Val Gln Gly Ala Cys Lys Gln Leu Glu Val Cys Glu His Cys Val
50 55 60
Glu Gly Asp Arg Ala Arg Asn Leu Ser Ser Cys Met Trp Glu Gln Cys
65 70 75 80
Arg Pro Glu Glu Pro Gly His Cys Val Ala Glu Ser Glu Val Val Lys
85 90 95
Glu Gly Cys Ser Ile Tyr Asn Arg Ser Glu Ala Cys Pro Ala Ala His
100 105 110
His His Pro Thr Tyr Glu Pro Lys Thr Val Thr Thr Gly Ser Pro Pro
115 120 125
Val Pro Glu Ala His Ser Pro Gly Phe Asp Gly Ala Ser Phe Ile Gly
130 135 140
Gly Val Val Leu Val Leu Ser Leu Gln Ala Val Ala Phe Phe Val Leu
145 150 155 160
His Phe Leu Lys Ala Lys Asp Ser Thr Tyr Gln Thr Leu
165 170

<210> 874
 <211> 210
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (139)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (187)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 874
 Met Glu Ala Pro Gly Pro Arg Ala Leu Arg Thr Ala Leu Cys Gly Gly
 1 5 10 15
 Cys Cys Cys Leu Leu Leu Cys Ala Gln Leu Ala Val Ala Gly Lys Gly
 20 25 30
 Ala Arg Gly Phe Gly Arg Gly Ala Leu Ile Arg Leu Asn Ile Trp Pro
 35 40 45
 Ala Val Gln Gly Ala Cys Lys Gln Leu Glu Val Cys Glu His Cys Val
 50 55 60
 Glu Gly Asp Arg Ala Arg Asn Leu Ser Ser Cys Met Trp Glu Gln Cys
 65 70 75 80
 Arg Pro Glu Glu Pro Gly His Cys Val Ala Gln Ser Glu Val Val Lys
 85 90 95
 Glu Gly Cys Ser Ile Tyr Asn Arg Ser Glu Ala Cys Pro Ala Ala His
 100 105 110
 His His Pro Thr Tyr Glu Pro Lys Thr Val Thr Thr Gly Ser Pro Pro
 115 120 125
 Val Pro Glu Ala His Ser Pro Gly Phe Asp Xaa Ala Ser Phe Ile Gly
 130 135 140
 Gly Val Val Leu Val Leu Ser Leu Gln Ala Val Ala Phe Phe Val Leu
 145 150 155 160
 Thr Ser Ser Arg Pro Arg Thr Ala Pro Thr Arg Arg Cys Glu Tyr Leu
 165 170 175
 Ala Ser Ser Lys Tyr Leu Ser Pro Ser Ser Xaa Leu Val Pro Ala His
 180 185 190
 Val Pro Phe Ser Thr Gln Gly Ala Val Phe Ser Thr Gly Lys Pro Ser
 195 200 205
 Gly Arg

210

<210> 875
<211> 99
<212> PRT
<213> Homo sapiens

<400> 875
Met Glu Gly Pro Arg Gly Trp Leu Val Leu Cys Val Leu Ala Ile Ser
1 5 10 15
Leu Ala Ser Met Val Thr Glu Asp Leu Cys Arg AlaPro Asp Gly Lys
20 25 30
Lys Gly Glu Ala Gly Arg Pro Gly Arg Arg Gly Arg Pro Gly Leu Lys
35 40 45
Gly Glu Gln Gly Glu Pro Gly Ala Pro Gly Ile Arg Thr Gly IleGln
50 55 60
Gly Leu Lys Gly Asp Gln Gly Glu Pro Gly Pro Ser Gly Asn Pro Gly
65 70 75 80
Lys Val Gly Tyr Pro Gly Pro Ser Gly Pro Leu Arg Ser Pro Trp His
85 90 95
Pro Gly Asn

<210> 876
<211> 245
<212> PRT
<213> Homo sapiens

<400> 876
Met Glu Gly Pro Arg Gly Trp Leu Val Leu Cys Val Leu Ala Ile Ser
1 5 10 15
Leu Ala Ser Met Val Thr Glu Asp Leu Cys Arg Ala Pro Asp Gly Lys
20 25 30
Lys Gly Glu Ala Gly Arg Pro Gly Arg Arg Gly Arg Pro Gly Leu Lys
35 40 45
Gly Glu Gln Gly Glu Pro Gly Ala Pro Gly Ile Arg Thr Gly Ile Gln
50 55 60
Gly Leu Lys Gly Asp Gln Gly Glu Pro Gly Pro Ser Gly Asn Pro Gly
65 70 75 80
Lys Val Gly Tyr Pro Gly Pro Ser Gly Pro Leu Gly Ala Arg Gly Ile
85 90 95

Pro Gly Ile Lys Gly Thr Lys Gly Ser Pro Gly Asn Ile Lys Asp Gln
 100 105 110
 Pro Arg Pro Ala Phe Ser Ala Ile Arg Arg Asn Pro Pro Met Gly Gly
 115 120 125
 Asn Val Val Ile Phe Asp Thr Val Ile Thr Asn Gln Glu Glu Pro Tyr
 130 135 140
 Gln Asn His Ser Gly Arg Phe Val Cys Thr Val Pro Gly Tyr Tyr Tyr
 145 150 155 160
 Phe Thr Phe Gln Val Leu Ser Gln Trp Glu Ile Cys Leu Ser Ile Val
 165 170 175
 Ser Ser Ser Arg Gly Gln Val Arg Arg Ser Leu Gly Phe Cys Asp Thr
 180 185 190
 Thr Asn Lys Gly Leu Phe Gln Val Val Ser Gly Gly Met Val Leu Gln
 195 200 205
 Leu Gln Gln Gly Asp Gln Val Trp Val Glu Lys Asp Pro Lys Lys Gly
 210 215 220
 His Ile Tyr Gln Gly Ser Glu Ala Asp Ser Val Phe Ser Gly Phe Leu
 225 230 235 240
 Ile Phe Pro Ser Ala
 245

<210> 877
 <211> 105
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 877
 Met Ile Ser Tyr Ile Val Leu Leu Ser Ile Leu Leu Trp Pro Leu Val
 1 5 10 15
 Val Tyr His Glu Leu Ile Gln Arg Met Tyr Thr Arg Leu Glu Pro Leu
 20 25 30
 Leu Met Gln Leu Asp Tyr Ser Met Lys Ala Glu Ala Asn Ala Leu His
 35 40 45
 His Lys His Asp Lys Arg Lys Arg Gln Gly Lys Asn Ala Pro Pro Gly
 50 55 60
 Gly Asp Glu Pro Leu Xaa Glu Thr Glu Ser Glu Ser Glu Ala Glu Leu
 65 70 75 80

Ala Gly Phe Ser Pro Val Val Asp Val Lys Lys Thr Ala Leu Ala Leu
85 90 95

Ala Ile Tyr Arg Leu Arg Ala Val Arg
100 105

<210> 878
<211> 89
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (75)
<223> Xaa equals any of the naturally occurring amino acids

<400> 878
Met Phe Lys Asp Tyr Pro Pro Ala Ile Lys Pro Ser Tyr Asp Val Leu
1 5 10 15
Leu Leu Leu Leu Leu Leu Val Xaa Leu Leu Gln Ala Gly Leu Asn Thr
20 25 30
Gly Thr Ala Ile Gln Cys Val Arg Phe Lys Val Ser Ala Arg Leu Gln
35 40 45
Gly Ala Ser Trp Asp Thr Gln Asn Gly Pro Gln Glu Arg Leu Ala Gly
50 55 60
Glu Val Ala Arg Ser Pro Leu Lys Glu Phe Xaa Lys Glu Lys Ala Trp
65 70 75 80
Arg Ala Val Val Val Gln Met Ala Gln
85

<210> 879
<211> 147
<212> PRT
<213> Homo sapiens

<400> 879
Met Leu Ala Gly Ala Gly Arg Pro Gly LeuPro Gln Gly Arg His Leu
1 5 10 15
Cys Trp Leu Leu Cys Ala Phe Thr Leu Lys Leu Cys Gln Ala Glu Ala
20 25 30

Pro Val Gln Glu Glu Lys Leu Ser Ala Ser ThrSer Asn Leu Pro Cys
 35 40 45
 Trp Leu Val Glu Glu Phe Val Val Ala Glu Glu Cys Ser Pro Cys Ser
 50 55 60
 Asn Phe Arg Ala Lys Thr Thr Pro Glu Cys Gly Pro Thr Gly Tyr Val
 65 70 75 80
 Glu Lys Ile Thr Cys Ser Ser Ser Lys Arg Asn Glu Phe Lys Ser Cys
 85 90 95
 Arg Phe Ser Phe Glu Trp Asn Asn Ala Tyr Phe Gly Ser Ser LysGly
 100 105 110
 Ala Val Val Cys Val Ala Leu Ile Phe Ala Cys Leu Val Ile Ile Arg
 115 120 125
 Gln Arg Gln Leu Asp Arg Lys Ala Leu Glu Lys Val Arg Lys Gln Ile
 130 135 140
 Glu Ser Ile
 145

<210> 880
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 880
 Met Gly Gln Val Trp Arg Val Pro Pro Leu Leu Leu Ser Val Gln Val
 1 5 10 15
 Phe Leu Thr Met Ala His Ala Phe His Gln Ala Pro Glu Leu Gln Trp
 20 25 30
 Leu Gly Leu Trp Phe Trp Val Arg Leu Phe Ala Gly Gly Asp Gly Gly
 35 40 45
 Leu His Leu Asn Ile Ser Ser Val Thr Leu Pro Leu Leu His Gly Lys
 50 55 60
 Gln Leu Ser Arg Glu Val Pro Ser Cys Gln Gly Lys Pro Arg Leu Gly
 65 70 75 80
 Arg Pro Pro Tyr Lys Glu Pro Gln Asp Cys Ser His Gly Cys His Leu
 85 90 95
 Ser Trp Lys Gly Arg Phe Met Gly Phe Pro Gly Thr Pro Arg Leu Ser
 100 105 110
 Trp Pro Arg Gly Lys Arg Trp Leu Leu Gln Glu Phe Asp Leu Ser
 115 120 125

<210> 881
 <211> 9
 <212> PRT
 <213> Homo sapiens

<400> 881
 Leu Gly Lys Pro Trp Arg Tyr Pro Thr
 1 5

<210> 882
 <211> 91
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (84)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 882
 Met Tyr Gly Lys Ser Ser Thr Arg Ala Val Leu Leu Leu Leu Gly Ile
 1 5 10 15
 Gln Leu Thr Ala Leu Trp Pro Ile Ala Ala Val Glu Ile Tyr Thr Ser
 20 25 30
 Arg Val Leu Glu Ala Val Asn Gly Thr Asp Ala Arg Leu Lys Cys Thr
 35 40 45
 Phe Ser Ser Phe Ala Pro Val Gly Asp Ala Leu Thr Val Thr Trp Asn
 50 55 60
 Phe Arg Pro Leu Asp Gly Gly Pro Glu Gln Phe Val Phe Tyr Tyr His
 65 70 75 80
 Ile Asp Pro Xaa Pro Thr His Glu Trp Ala Val
 85 90

<210> 883
 <211> 708
 <212> PRT
 <213> Homo sapiens

<400> 883
 Met Lys Asp Met Pro Leu Arg Ile His Val Leu Leu Gly Leu Ala Ile
 1 5 10 15
 Thr Thr Leu Val Gln Ala Val Asp Lys Lys Val Asp Cys Pro Arg Leu
 20 25 30
 Cys Thr Cys Glu Ile Arg Pro Trp Phe Thr Pro Arg Ser Ile Tyr Met
 35 40 45

Glu Ala Ser Thr Val Asp Cys Asn Asp Leu Gly Leu Leu Thr Phe Pro
 50 55 60
 Ala Arg Leu Pro Ala Asn Thr Gln Ile Leu Leu Leu Gln Thr Asn Asn
 65 70 75 80
 Ile Ala Lys Ile Glu Tyr Ser Thr Asp Phe Pro Val Asn Leu Thr Gly
 85 90 95
 Leu Asp Leu Ser Gln Asn Asn Leu Ser Ser Val Thr Asn Ile Asn Val
 100 105 110
 Lys Lys Met Pro Gln Leu Leu Ser Val Tyr Leu Glu Glu Asn Lys Leu
 115 120 125
 Thr Glu Leu Pro Glu Lys Cys Leu Ser Glu Leu Ser Asn Leu Gln Glu
 130 135 140
 Leu Tyr Ile Asn His Asn Leu Leu Ser Thr Ile Ser Pro Gly Ala Phe
 145 150 155 160
 Ile Gly Leu His Asn Leu Leu Arg Leu His Leu Asn Ser Asn Arg Leu
 165 170 175
 Gln Met Ile Asn Ser Lys Trp Phe Asp Ala Leu Pro Asn Leu Glu Ile
 180 185 190
 Leu Met Ile Gly Glu Asn Pro Ile Ile Arg Ile Lys Asp Met Asn Phe
 195 200 205
 Lys Pro Leu Ile Asn Leu Arg Ser Leu Val Ile Ala Gly Ile Asn Leu
 210 215 220
 Thr Glu Ile Pro Asp Asn Ala Leu Val Gly Leu Glu Asn Leu Glu Ser
 225 230 235 240
 Ile Ser Phe Tyr Asp Asn Arg Leu Ile Lys Val Pro His Val Ala Leu
 245 250 255
 Gln Lys Val Val Asn Leu Lys Phe Leu Asp Leu Asn Lys Asn Pro Ile
 260 265 270
 Asn Arg Ile Arg Arg Gly Asp Phe Ser Asn Met Leu His Leu Lys Glu
 275 280 285
 Leu Gly Ile Asn Asn Met Pro Glu Leu Ile Ser Ile Asp Ser Leu Ala
 290 295 300
 Val Asp Asn Leu Pro Asp Leu Arg Lys Ile Glu Ala Thr Asn Asn Pro
 305 310 315 320
 Arg Leu Ser Tyr Ile His Pro Asn Ala Phe Phe Arg Leu Pro Lys Leu
 325 330 335
 Glu Ser Leu Met Leu Asn Ser Asn Ala Leu Ser Ala Leu Tyr His Gly
 340 345 350

Thr	Ile	Glu	Ser	Leu	Pro	Asn	Leu	Lys	Glu	Ile	Ser	Ile	His	Ser	Asn	
		355					360					365				
Pro	Ile	Arg	Cys	Asp	Cys	Val	Ile	Arg	Trp	Met	Asn	Met	Asn	Lys	Thr	
		370				375					380					
Asn	Ile	Arg	Phe	Met	Glu	Pro	Asp	Ser	Leu	Phe	Cys	Val	Asp	Pro	Pro	
385					390					395					400	
Glu	Phe	Gln	Gly	Gln	Asn	Val	Arg	Gln	Val	His	Phe	Arg	Asp	Met	Met	
				405					410					415		
Glu	Ile	Cys	Leu	Pro	Leu	Ile	Ala	Pro	Glu	Ser	Phe	Pro	Ser	Asn	Leu	
			420					425					430			
Asn	Val	Glu	Ala	Gly	Ser	Tyr	Val	Ser	Phe	His	Cys	Arg	Ala	Thr	Ala	
		435					440					445				
Glu	Pro	Gln	Pro	Glu	Ile	Tyr	Trp	Ile	Thr	Pro	Ser	Gly	Gln	Lys	Leu	
	450					455					460					
Leu	Pro	Asn	Thr	Leu	Thr	Asp	Lys	Phe	Tyr	Val	His	Ser	Glu	Gly	Thr	
465					470					475					480	
Leu	Asp	Ile	Asn	Gly	Val	Thr	Pro	Lys	Glu	Gly	Gly	Leu	Tyr	Thr	Cys	
				485					490					495		
Ile	Ala	Thr	Asn	Leu	Val	Gly	Ala	Asp	Leu	Lys	Ser	Val	Met	Ile	Lys	
			500					505					510			
Val	Asp	Gly	Ser	Phe	Pro	Gln	Asp	Asn	Asn	Gly	Ser	Leu	Asn	Ile	Lys	
		515					520					525				
Ile	Arg	Asp	Ile	Gln	Ala	Asn	Ser	Val	Leu	Val	Ser	Trp	Lys	Ala	Ser	
	530					535					540					
Ser	Lys	Ile	Leu	Lys	Ser	Ser	Val	Lys	Trp	Thr	Ala	Phe	Val	Lys	Thr	
545					550					555					560	
Glu	Asn	Ser	His	Ala	Ala	Gln	Ser	Ala	Arg	Ile	Pro	Ser	Asp	Val	Lys	
				565					570					575		
Val	Tyr	Asn	Leu	Thr	His	Leu	Asn	Pro	Ser	Thr	Glu	Tyr	Lys	Ile	Cys	
		580						585					590			
Ile	Asp	Ile	Pro	Thr	Ile	Tyr	Gln	Lys	Asn	Arg	Lys	Lys	Cys	Val	Asn	
		595					600					605				
Val	Thr	Thr	Lys	Gly	Leu	His	Pro	Asp	Gln	Lys	Glu	Tyr	Glu	Lys	Asn	
	610					615					620					
Asn	Thr	Thr	Thr	Leu	Met	Ala	Cys	Leu	Gly	Gly	Leu	Leu	Gly	Ile	Ile	
625					630					635					640	
Gly	Val	Ile	Cys	Leu	Ile	Ser	Cys	Leu	Ser	Pro	Glu	Met	Asn	Cys	Asp	
				645					650					655		

Gly Gly His Ser Tyr Val Arg Asn Tyr Leu Gln Lys Pro Thr Phe Ala
660 665 670

Leu Gly Glu Leu Tyr Pro Pro Leu Ile Asn Leu Trp Glu Ala Gly Lys
675 680 685

Glu Lys Ser Thr Ser Leu Lys Val Lys Ala Thr Val Ile Gly Leu Pro
690 695 700

Thr Asn Met Ser
705

<210> 884
<211> 10
<212> PRT
<213> Homo sapiens

<400> 884
Met Gly Leu Phe Leu Phe Leu Val Ser Ser
1 5 10

<210> 885
<211> 941
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (807)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (809)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (815)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (819)
<223> Xaa equals any of the naturally occurring L-amino acids

<400> 885
Met Val Phe Leu Pro Leu Lys Trp Ser Leu Ala Thr Met Ser Phe Leu
1 5 10 15

Leu Ser Ser Leu Leu Ala Leu Leu Thr Val Ser Thr Pro Ser Trp Cys
20 25 30

Gln Ser Thr Glu Ala Ser Pro Lys Arg Ser Asp Gly Thr Pro Phe Pro
 35 40 45
 Trp Asn Lys Ile Arg Leu Pro Glu Tyr Val Ile Pro Val His Tyr Asp
 50 55 60
 Leu Leu Ile His Ala Asn Leu Thr Thr Leu Thr Phe Trp Gly Thr Thr
 65 70 75 80
 Lys Val Glu Ile Thr Ala Ser Gln Pro Thr Ser Thr Ile Ile Leu His
 85 90 95
 Ser His His Leu Gln Ile Ser Arg Ala Thr Leu Arg Lys Gly Ala Gly
 100 105 110
 Glu Arg Leu Ser Glu Glu Pro Leu Gln Val Leu Glu His Pro Pro Gln
 115 120 125
 Glu Gln Ile Ala Leu Leu Ala Pro Glu Pro Leu Leu Val Gly Leu Pro
 130 135 140
 Tyr Thr Val Val Ile His Tyr Ala Gly Asn Leu Ser Glu Thr Phe His
 145 150 155 160
 Gly Phe Tyr Lys Ser Thr Tyr Arg Thr Lys Glu Gly Glu Leu Arg Ile
 165 170 175
 Leu Ala Ser Thr Gln Phe Glu Pro Thr Ala Ala Arg Met Ala Phe Pro
 180 185 190
 Cys Phe Asp Glu Pro Ala Phe Lys Ala Ser Phe Ser Ile Lys Ile Arg
 195 200 205
 Arg Glu Pro Arg His Leu Ala Ile Ser Asn Met Pro Leu Val Lys Ser
 210 215 220
 Val Thr Val Ala Glu Gly Leu Ile Glu Asp His Phe Asp Val Thr Val
 225 230 235 240
 Lys Met Ser Thr Tyr Leu Val Ala Phe Ile Ile Ser Asp Phe Glu Ser
 245 250 255
 Val Ser Lys Ile Thr Lys Ser Gly Val Lys Val Ser Val Tyr Ala Val
 260 265 270
 Pro Asp Lys Met Asn Gln Ala Asp Tyr Ala Leu Asp Ala Ala Val Thr
 275 280 285
 Leu Leu Glu Phe Tyr Glu Asp Tyr Phe Ser Ile Pro Tyr Pro Leu Pro
 290 295 300
 Lys Gln Asp Leu Ala Ala Ile Pro Asp Phe Gln Ser Gly Ala Met Glu
 305 310 315 320
 Asn Trp Gly Leu Thr Thr Tyr Arg Glu Ser Ala Leu Leu Phe Asp Ala
 325 330 335

Glu Lys Ser Ser Ala Ser Ser Lys Leu Gly Ile Thr Met Thr Val Ala
 340 345 350
 His Glu Leu Ala His Gln Trp Phe Gly Asn Leu Val Thr Met Glu Trp
 355 360 365
 Trp Asn Asp Leu Trp Leu Asn Glu Gly Phe Ala Lys Phe Met Glu Phe
 370 375 380
 Val Ser Val Ser Val Thr His Pro Glu Leu Lys Val Gly Asp Tyr Phe
 385 390 395 400
 Phe Gly Lys Cys Phe Asp Ala Met Glu Val Asp Ala Leu Asn Ser Ser
 405 410 415
 His Pro Val Ser Thr Pro Val Glu Asn Pro Ala Gln Ile Arg Glu Met
 420 425 430
 Phe Asp Asp Val Ser Tyr Asp Lys Gly Ala Cys Ile Leu Asn Met Leu
 435 440 445
 Arg Glu Tyr Leu Ser Ala Asp Ala Phe Lys Ser Gly Ile Val Gln Tyr
 450 455 460
 Leu Gln Lys His Ser Tyr Lys Asn Thr Lys Asn Glu Asp Leu Trp Asp
 465 470 475 480
 Ser Met Ala Ser Ile Cys Pro Thr Asp Gly Val Lys Gly Met Asp Gly
 485 490 495
 Phe Cys Ser Arg Ser Gln His Ser Ser Ser Ser Ser His Trp His Gln
 500 505 510
 Glu Gly Val Asp Val Lys Thr Met Met Asn Thr Trp Thr Leu Gln Arg
 515 520 525
 Gly Phe Pro Leu Ile Thr Ile Thr Val Arg Gly Arg Asn Val His Met
 530 535 540
 Lys Gln Glu His Tyr Met Lys Gly Ser Asp Gly Ala Pro Ap Thr Gly
 545 550 555 560
 Tyr Leu Trp His Val Pro Leu Thr Phe Ile Thr Ser Lys Ser Asp Met
 565 570 575
 Val His Arg Phe Leu Leu Lys Thr Lys Thr Asp Val Bu Ile Leu Pro
 580 585 590
 Glu Glu Val Glu Trp Ile Lys Phe Asn Val Gly Met Asn Gly Tyr Tyr
 595 600 605
 Ile Val His Tyr Glu Asp Asp Gly Trp Asp Ser Leu Thr Gly Leu Bu
 610 615 620
 Lys Gly Thr His Thr Ala Val Ser Ser Asn Asp Arg Ala Ser Leu Ile
 625 630 635 640

Asn	Asn	Ala	Phe	Gln	Leu	Val	Ser	Ile	Gly	Lys	Leu	Ser	Ile	Glu	Lys	
				645					650					655		
Ala	Leu	Asp	Leu	Ser	Leu	Tyr	Leu	Lys	His	Glu	Thr	Glu	Ile	Met	Pro	
			660					665					670			
Val	Phe	Gln	Gly	Leu	Asn	Glu	Leu	Ile	Pro	Met	Tyr	Lys	Leu	Met	Glu	
		675					680					685				
Lys	Arg	Asp	Met	Asn	Glu	Val	Glu	Thr	Gln	Phe	Lys	Ala	Phe	Leu	Ile	
	690					695					700					
Arg	Leu	Leu	Arg	Asp	Leu	Ile	Asp	Lys	Gln	Thr	Trp	Thr	Asp	Glu	Gly	
705					710				715					720		
Ser	Val	Ser	Glu	Arg	Met	Leu	Arg	Ser	Glu	Leu	Leu	Leu	Leu	Ala	Cys	
				725					730					735		
Val	His	Asn	Tyr	Gln	Pro	Cys	Val	Gln	Arg	Ala	Glu	Gly	Tyr	Phe	Arg	
			740					745					750			
Lys	Trp	Lys	Glu	Ser	Asn	Gly	Asn	Leu	Ser	Leu	Pro	Val	Asp	Val	Thr	
		755					760					765				
Leu	Ala	Val	Phe	Ala	Val	Gly	Ala	Gln	Ser	Thr	Glu	Gly	Trp	Asp	Phe	
	770					775					780					
Leu	Tyr	Ser	Lys	Tyr	Gln	Phe	Ser	Leu	Ser	Ser	Thr	Glu	Lys	Ser	Gln	
785					790					795					800	
Ile	Glu	Phe	Ala	Leu	Cys	Xaa	Pro	Xaa	Asn	Lys	Glu	Lys	Leu	Xaa	Trp	
				805					810					815		
Leu	Leu	Xaa	Glu	Ser	Phe	Lys	Gly	Asp	Lys	Ile	Lys	Thr	Gln	Glu	Phe	
			820					825					830			
Pro	Gln	Ile	Leu	Thr	Leu	Ile	Gly	Arg	Asn	Pro	Val	Gly	Tyr	Pro	Leu	
		835					840					845				
Ala	Trp	Gln	Phe	Leu	Arg	Lys	Asn	Trp	Asn	Lys	Leu	Val	Gln	Lys	Phe	
	850					855					860					
Glu	Leu	Gly	Ser	Ser	Ser	Ile	Ala	His	Met	Val	Met	Gly	Thr	Thr	Asn	
865					870					875					880	
Gln	Phe	Ser	Thr	Arg	Thr	Arg	Leu	Glu	Glu	Val	Lys	Gly	Phe	Phe	Ser	
				885					890					895		
Ser	Leu	Lys	Glu	Asn	Gly	Ser	Gln	Leu	Arg	Cys	Val	Gln	Gln	Thr	Ile	
			900					905					910			
Glu	Thr	Ile	Glu	Glu	Asn	Ile	Gly	Trp	Met	Asp	Lys	Asn	Phe	Asp	Lys	
		915					920					925				
Ile	Arg	Val	Trp	Leu	Gln	Ser	Glu	Lys	Leu	Glu	Arg	Met				
	930					935					940					

<210> 886
 <211> 612
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (245)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (246)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (249)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 886
 Met Ala Ala Ala Gly Arg Leu Pro Ser Ser Trp Ala Leu Phe Ser Pro
 1 5 10 15
 Leu Leu Ala Gly Leu Ala Leu Leu Gly Val Gly Pro Val Pro AlaArg
 20 25 30
 Ala Leu His Asn Val Thr Ala Glu Leu Phe Gly Ala Glu Ala Trp Gly
 35 40 45
 Thr Leu Ala Ala Phe Gly Asp Leu Asn Ser Asp Lys Gln Thr Asp Leu
 50 55 60
 Phe Val Leu Arg Glu Arg Asn Asp Leu Ile Val Phe Leu Ala Asp Gln
 65 70 75 80
 Asn Ala Pro Tyr Phe Lys Pro Lys Val Lys Val Ser Phe Lys Asn His
 85 90 95
 Ser Ala Leu Ile Thr Ser Val Val Pro Gly Asp Tyr Asp Gly Asp Ser
 100 105 110
 Gln Met Asp Val Leu Leu Thr Tyr Leu Pro Lys Asn Tyr Ala Lys Ser
 115 120 125
 Glu Leu Gly Ala Val Ile Phe Trp Gly Gln Asn Gln Thr Leu Asp Pro
 130 135 140
 Asn Asn Met Thr Ile Leu Asn Arg Thr Phe Gln Asp Glu Pro Leu Ile
 145 150 155 160
 Met Asp Phe Asn Gly Asp Leu Ile Pro Asp Ile Phe Gly Ile Thr Asn
 165 170 175

Glu	Ser	Asn	Gln	Pro	Gln	Ile	Leu	Leu	Gly	Gly	Asn	Leu	Ser	Trp	His		
			180					185					190				
Pro	Ala	Leu	Thr	Thr	Thr	Ser	Lys	Met	Arg	Ile	Pro	His	Ser	His	Ala		
		195					200					205					
Phe	Ile	Asp	Leu	Thr	Glu	Asp	Phe	Thr	Ala	Asp	Leu	Phe	Leu	Thr	Thr		
	210					215					220						
Leu	Asn	Ala	Thr	Thr	Ser	Thr	Phe	Gln	Phe	Glu	Ile	Trp	Glu	Asn	Leu		
225					230					235					240		
Asp	Gly	Asn	Phe	Xaa	Xaa	Ser	Thr	Xaa	Leu	Glu	Lys	Pro	Gln	Asn	Met		
			245					250						255			
Met	Val	Val	Gly	Gln	Ser	Ala	Phe	Ala	Asp	Phe	Asp	Gly	Asp	Gly	His		
			260					265					270				
Met	Asp	His	Leu	Leu	Pro	Gly	Cys	Glu	Asp	Lys	Asn	Cys	Gln	Lys	Ser		
		275					280					285					
Thr	Ile	Tyr	Leu	Val	Arg	Ser	Gly	Met	Lys	Gln	Trp	Val	Pro	Val	Leu		
	290					295					300						
Gln	Asp	Phe	Ser	Asn	Lys	Gly	Thr	Leu	Trp	Gly	Phe	Val	Pro	Phe	Val		
305					310					315					320		
Asp	Glu	Gln	Gln	Pro	Thr	Glu	Ile	Pro	Ile	Pro	Ile	Thr	Leu	His	Ile		
				325				330						335			
Gly	Asp	Tyr	Asn	Met	Asp	Gly	Tyr	Pro	Asp	Ala	Leu	Val	Ile	Leu	Lys		
		340						345					350				
Asn	Thr	Ser	Gly	Ser	Asn	Gln	Gln	Ala	Phe	Leu	Leu	Glu	Asn	Val	Pro		
		355				360						365					
Cys	Asn	Asn	Ala	Ser	Cys	Glu	Glu	Ala	Arg	Arg	Met	Phe	Lys	Val	Tyr		
	370				375					380							
Trp	Glu	Leu	Thr	Asp	Leu	Asn	Gln	Ile	Lys	Asp	Ala	Met	Val	Ala	Thr		
385					390					395					400		
Phe	Phe	Asp	Ile	Tyr	Glu	Asp	Gly	Ile	Leu	Asp	Ile	Val	Val	Leu	Ser		
			405					410						415			
Lys	Gly	Tyr	Thr	Lys	Asn	Asp	Phe	Ala	Ile	His	Thr	Leu	Lys	Asn	Asn		
		420					425						430				
Phe	Glu	Ala	Asp	Ala	Tyr	Phe	Val	Lys	Val	Ile	Val	Leu	Ser	Gly	Leu		
	435						440					445					
Cys	Ser	Asn	Asp	Cys	Pro	Arg	Lys	Ile	Thr	Pro	Phe	Gly	Val	Asn	Gln		
	450					455					460						
Pro	Gly	Pro	Tyr	Ile	Met	Tyr	Thr	Thr	Val	Asp	Ala	Asn	Gly	Tyr	Leu		
465					470					475					480		

Lys Asn Gly Ser Ala Gly Gln Leu Ser Gln Ser Ala HisLeu Ala Leu
 485 490 495
 Gln Leu Pro Tyr Asn Val Leu Gly Leu Gly Arg Ser Ala Asn Phe Leu
 500 505 510
 Asp His Leu Tyr Val Gly Ile Pro Arg Pro Ser Gly Glu LysSer Ile
 515 520 525
 Arg Lys Gln Glu Trp Thr Ala Ile Ile Pro Asn Ser Gln Leu Ile Val
 530 535 540
 Ile Pro Tyr Pro His Asn Val Pro Arg Ser Trp Ser Ala Lys Leu Tyr
 545 550 555 560
 Leu Thr Pro Ser Asn Ile Val Leu Leu Thr Ala Ile Ala Leu Ile Gly
 565 570 575
 Val Cys Val Phe Ile Leu Ala Ile Ile Gly Ile Leu His Trp Gln Glu
 580 585 590
 Lys Lys Ala Asp Asp Arg Glu Lys Arg Gln Glu Ala His Arg Phe His
 595 600 605
 Phe Asp Ala Met
 610

<210> 887
 <211> 456
 <212> PRT
 <213> Homo sapiens

<400> 887
 Met Ala Ala Ala Gly Arg Leu Pro Ser Ser Trp Ala Leu Phe Ser Pro
 1 5 10 15
 Leu Leu Ala Gly Leu Ala Leu Leu Gly Val Gly Pro Val Pro Ala Arg
 20 25 30
 Ala Leu His Asn Val Thr Ala Glu Leu Phe Gly Ala Glu Ala Trp Gly
 35 40 45
 Thr Leu Ala Ala Phe Gly Asp Leu Asn Ser Asp Lys Gln Thr Asp Leu
 50 55 60
 Phe Val Leu Arg Glu Arg Asn Asp Leu Ile Val Phe Leu Ala Asp Gln
 65 70 75 80
 Asn Ala Pro Tyr Phe Lys Pro Lys Val Lys Val Ser Phe Lys Asn His
 85 90 95
 Ser Ala Leu Ile Thr Ser Val Val Pro Gly Asp Tyr Asp Gly Asp Ser
 100 105 110
 Gln Met Asp Val Leu Leu Thr Tyr Leu Pro Lys Asn Tyr Ala Lys Ser

115					120					125					
Glu	Leu	Gly	Ala	Val	Ile	Phe	Trp	Gly	Gln	Asn	Gln	Thr	Leu	Asp	Pro
130						135					140				
Asn	Asn	Met	Thr	Ile	Leu	Asn	Arg	Thr	Phe	Gln	Asp	Glu	Pro	Leu	Ile
145					150					155					160
Met	Asp	Phe	Asn	Gly	Asp	Leu	Ile	Pro	Asp	Ile	Phe	Gly	Ile	Thr	Asn
				165						170				175	
Glu	Ser	Asn	Gln	Pro	Gln	Ile	Leu	Leu	Gly	Gly	Asn	Leu	Ser	Trp	His
			180					185						190	
Pro	Ala	Leu	Thr	Thr	Thr	Ser	Lys	Met	Arg	Ile	Pro	His	Ser	His	Ala
		195					200					205			
Phe	Ile	Asp	Leu	Thr	Glu	Asp	Phe	Thr	Ala	Asp	Leu	Phe	Leu	Thr	Thr
	210					215					220				
Leu	Asn	Ala	Thr	Thr	Ser	Thr	Phe	Gln	Phe	Glu	Ile	Trp	Glu	Asn	Leu
225					230					235					240
Asp	Gly	Asn	Phe	Ser	Val	Ser	Thr	Ile	Leu	Glu	Lys	Pro	Gln	Asn	Met
				245					250					255	
Met	Val	Val	Gly	Gln	Ser	Ala	Phe	Ala	Asp	Phe	Asp	Gly	Asp	Gly	His
			260					265					270		
Met	Asp	His	Leu	Leu	Pro	Gly	Cys	Glu	Asp	Lys	Asn	Cys	Gln	Lys	Ser
		275					280					285			
Thr	Ile	Tyr	Leu	Val	Arg	Ser	Gly	Met	Lys	Gln	Trp	Val	Pro	Val	Leu
	290					295					300				
Gln	Asp	Phe	Ser	Asn	Lys	Gly	Thr	Leu	Trp	Gly	Phe	Val	Pro	Phe	Val
305					310					315					320
Asp	Glu	Gln	Gln	Pro	Thr	Glu	Ile	Pro	Ile	Pro	Ile	Thr	Leu	His	Ile
				325					330					335	
Gly	Asp	Tyr	Asn	Met	Asp	Gly	Tyr	Pro	Asp	Ala	Leu	Val	Ile	Leu	Lys
			340					345					350		
Asn	Thr	Ser	Gly	Ser	Asn	Gln	Gln	Ala	Phe	Leu	Leu	Glu	Asn	Val	Pro
		355					360					365			
Cys	Asn	Asn	Ala	Ser	Cys	Glu	Glu	Ala	Arg	Arg	Met	Phe	Lys	Val	Tyr
	370					375					380				
Trp	Glu	Leu	Thr	Asp	Leu	Asn	Gln	Ile	Lys	Asp	Ala	Met	Val	Ala	Thr
385					390					395					400
Phe	Phe	Asp	Ile	Tyr	Glu	Asp	Gly	Ile	Leu	Asp	Ile	Val	Val	Leu	Ser
			405						410					415	
Lys	Gly	Tyr	Thr	Lys	Asn	Asp	Phe	Ala	Ile	His	Thr	Leu	Lys	Asn	Asn

420 425 430
 Phe Glu Ala Asp Ala Tyr Phe Val Lys Val Ile Val Leu Ser Gly Leu
 435 440 445
 Cys Ser Asn Asp Cys Pro Arg Arg
 450 455

<210> 888
 <211> 157
 <212> PRT
 <213> Homo sapiens

<400> 888
 Met Val Lys Ser Val Ile Phe Leu Ser Phe Trp Gln Gly Met Leu Leu
 1 5 10 15
 Ala Ile Leu Glu Lys Cys Gly Ala Ile Pro Lys Ile His Ser Ala Arg
 20 25 30
 Val Ser Val Gly Glu Gly Thr Val Ala Ala Gly Tyr His Asp Phe Ile
 35 40 45
 Ile Cys Val Glu Met Phe Phe Ala Ala Leu Ala Leu Arg His Pro Phe
 50 55 60
 Thr Tyr Asn Val Tyr Ala Asp Lys Arg Leu Asp Ala Gln Gly Arg Cys
 65 70 75 80
 Ala Pro Met Lys Ser Ile Ser Ser Ser Leu Lys Glu Thr Met Asn Pro
 85 90 95
 His Asp Ile Val Gln Asp Ala Ile His Asn Phe Ser Pro Ala Tyr Gln
 100 105 110
 Gln Tyr Thr Gln Gln Ser Thr Leu Glu Pro Gly Pro Thr Trp Arg Gly
 115 120 125
 Gly Ala His Gly Leu Ser Arg Ser His Ser Leu Ser Gly Ala Arg Asp
 130 135 140
 Asn Glu Lys Thr Leu Leu Leu Ser Ser Asp Asp Glu Phe
 145 150 155

<210> 889
 <211> 118
 <212> PRT
 <213> Homo sapiens

<400> 889
 Phe Leu Ser Ser Trp Gln Arg Pro Ala Cys Gly Cys Gln Arg Pro Ala
 1 5 10 15

Leu Pro Leu His Leu Gly Gly Ala Glu Gln Leu Gly Pro Ser Cys Pro
 20 25 30
 Gly Gly Trp Val Gln Thr Gln Ala Glu Asp Gln Pro Trp Pro Cys Pro
 35 40 45
 Ala Ile Cys Phe His Gln Ala Val Ser Pro Pro Trp Leu Pro Phe Ser
 50 55 60
 Leu Gln Ala Lys Val Leu Leu Ile Pro Thr Pro Leu Val Phe Ala Cys
 65 70 75 80
 Pro Ala Leu Leu Phe Ala Trp Arg Val Gly Gly Ala Gln Trp Gln Gly
 85 90 95
 Ile Ser Gly Pro Trp Gly Arg Gly Asp Gly Asn Met Cys Pro Thr Ala
 100 105 110
 Pro Ser Pro Pro Pro Pro
 115

<210> 890
 <211> 59
 <212> PRT
 <213> Homo sapiens

<400> 890
 Met Met Lys Asp Val Phe Phe Phe Leu Phe Leu Leu Ala Val Trp Val
 1 5 10 15
 Val Ser Phe Gly Val Ala Lys Gln Ala Ile Leu Ile His Asn Glu Arg
 20 25 30
 Arg Val Asp Trp Leu Phe Arg Gly Pro Ser Thr Thr Pro Thr Ser Pro
 35 40 45
 Ser Ser Gly Arg Ser Arg Ala Thr Ser Thr Val
 50 55

<210> 891
 <211> 109
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (94)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 891
 Met Asn Thr Leu Val Leu Trp Ile Phe Gly Phe Leu Ile Cys Leu Gly
 1 5 10 15

Ile Ile Leu Ala Ile Gly Asn Ser Ile Trp Glu Ser Gln Thr Gly Asp
 20 25 30
 Gln Phe Arg Thr Phe Leu Phe Trp Asn Glu Gly Glu Lys Ser Ser Val
 35 40 45
 Phe Ser Gly Phe Leu Thr Phe Trp Ser Tyr Ile Ile Ile Leu Asn Thr
 50 55 60
 Val Val Pro Ile Ser Leu Tyr Val Ser Val Glu Val Ile Arg Leu Gly
 65 70 75 80
 His Ser Tyr Phe Ile Asn Trp Asp Arg Lys Met Tyr Tyr Xaa Arg Lys
 85 90 95
 Ala Ile Pro Ala Val Ala Arg Thr Thr Thr Leu Asn Glu
 100 105

<210> 892
 <211> 46
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (45)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 892
 Ile Asn His Val Phe Ile Trp Gly Ser Ile Ala Ile Tyr Phe Ser Ile
 1 5 10 15
 Leu Phe Thr Met His Ser Asn Gly Ile Phe Gly Ile Phe Pro Asn Gln
 20 25 30
 Phe Pro Phe Val Gly Asn Ala Arg His Ser Leu Thr Xaa Lys
 35 40 45

<210> 893
 <211> 6
 <212> PRT
 <213> Homo sapiens

 <400> 893
 Thr Val Ala Ile Tyr Asp
 1 5

<210> 894
 <211> 11
 <212> PRT
 <213> Homo sapiens

<400> 894

Phe Leu Val Cys Leu Leu Leu Gly Pro Arg Ser
1 5 10

<210> 895

<211> 56

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (46)

<223> Xaa equals any of the naturally occurring amino acids

<400> 895

Lys Ser Gln Met Gln Ser Phe Thr Ile Val Thr Ala Tyr Gly Arg Cys
1 5 10 15

Leu Ser Leu Thr Cys Leu Pro Thr Leu Asn Gln Met Leu Val Phe Lys
20 25 30

Ser Asn Xaa Ser Leu Val Ser Pro His Xaa Leu Thr Phe Xaa Asn Ile
35 40 45

Phe Ala Arg Phe Glu Asn Phe Gln
50 55

<210> 896

<211> 53

<212> PRT

<213> Homo sapiens

<400> 896

Asn Tyr Asn Arg Gly Gly Thr Phe Leu Tyr Gln Lys Ala Lys Ile Lys
1 5 10 15

His His Val Leu Met Val Phe Tyr Lys Ser Thr Ser Asn Ser Thr Glu
20 25 30

Ser Leu Ile Trp Ser Leu Leu Asn Ser Trp Ser Asp Lys Val Thr Phe
35 40 45

Pro Lys Arg Val Arg
50

<210> 897
<211> 566
<212> PRT
<213> Homo sapiens

<400> 897
Met Ala Pro Leu Ala Leu His Leu Leu Val Leu Val Pro Ile Leu Leu
1 5 10 15
Ser Leu Val Ala Ser Gln Asp Trp Lys Ala Glu Arg Ser Gln Asp Pro
20 25 30
Phe Glu Lys Cys Met Gln Asp Pro Asp Tyr Glu Gln Leu Leu Lys Val
35 40 45
Val Thr Trp Gly Leu Asn Arg Thr Leu Lys Pro Gln Arg Val Ile Val
50 55 60
Val Gly Ala Gly Val Ala Gly Leu Val Ala Ala Lys Val Leu Ser Asp
65 70 75 80
Ala Gly His Lys Val Thr Ile Leu Glu Ala Asp Asn Arg Ile Gly Gly
85 90 95
Arg Ile Phe Thr Tyr Arg Asp Gln Asn Thr Gly Trp Ile Gly Glu Leu
100 105 110
Gly Ala Met Arg Met Pro Ser Ser His Arg Ile Leu His Lys Leu Cys
115 120 125
Gln Gly Leu Gly Leu Asn Leu Thr Lys Phe Thr Gln Tyr Asp Lys Asn
130 135 140
Thr Trp Thr Glu Val His Glu Val Lys Leu Arg Asn Tyr Val Val Glu
145 150 155 160
Lys Val Pro Glu Lys Leu Gly Tyr Ala Leu Arg Pro Gln Glu Lys Gly
165 170 175
His Ser Pro Glu Asp Ile Tyr Gln Met Ala Leu Asn Gln Ala Leu Lys
180 185 190
Asp Leu Lys Ala Leu Gly Cys Arg Lys Ala Met Lys Lys Phe Glu Arg
195 200 205
His Thr Leu Leu Glu Tyr Leu Leu Gly Glu Gly Asn Leu Ser Arg Pro
210 215 220
Ala Val Gln Leu Leu Gly Asp Val Met Ser Glu Asp Gly Leu Phe Tyr
225 230 235 240
Leu Ser Phe Ala Glu Ala Leu Arg Ala His Ser Cys Leu Ser Asp Arg

245										250					255				
Leu	Gln	Tyr	Ser	Arg	Ile	Val	Gly	Gly	Trp	Asp	Leu	Asn	Pro	Arg	Ala				
			260					265					270						
Leu	Leu	Ser	Ser	Leu	Ser	Gly	Leu	Val	Leu	Leu	Asn	Ala	Pro	Val	Val				
		275					280					285							
Ala	Met	Thr	Gln	Gly	Pro	His	Asp	Val	His	Val	Gln	Ile	Glu	Thr	Ser				
	290					295					300								
Pro	Pro	Ala	Arg	Asn	Leu	Lys	Val	Leu	Lys	Ala	Asp	Val	Val	Leu	Leu				
305					310					315					320				
Thr	Ala	Ser	Gly	Pro	Ala	Val	Lys	Arg	Ile	Thr	Phe	Ser	Pro	Pro	Leu				
				325					330					335					
Pro	Arg	His	Met	Gln	Glu	Ala	Leu	Arg	Arg	Leu	His	Tyr	Val	Pro	Ala				
			340					345					350						
Thr	Lys	Val	Phe	Leu	Ser	Phe	Arg	Arg	Pro	Phe	Trp	Arg	Glu	Glu	His				
		355					360					365							
Ile	Glu	Gly	Gly	His	Ser	Asn	Thr	Asp	Arg	Pro	Ser	Arg	Met	Ile	Phe				
	370					375					380								
Tyr	Pro	Pro	Pro	Arg	Glu	Gly	Ala	Leu	Leu	Leu	Ala	Ser	Tyr	Thr	Trp				
385					390					395					400				
Ser	Asp	Ala	Ala	Ala	Ala	Phe	Ala	Gly	Leu	Ser	Arg	Glu	Glu	Ala	Leu				
				405					410					415					
Arg	Leu	Ala	Leu	Asp	Asp	Val	Ala	Ala	Leu	His	Gly	Pro	Val	Val	Arg				
			420					425					430						
Gln	Leu	Trp	Asp	Gly	Thr	Gly	Val	Val	Lys	Arg	Trp	Ala	Glu	Asp	Gln				
		435					440					445							
His	Ser	Gln	Gly	Gly	Phe	Val	Val	Gln	Pro	Pro	Ala	Leu	Trp	Gln	Thr				
	450					455					460								
Glu	Lys	Asp	Asp	Trp	Thr	Val	Pro	Tyr	Gly	Arg	Ile	Tyr	Phe	Ala	Gly				
465					470					475					480				
Glu	His	Thr	Ala	Tyr	Pro	His	Gly	Trp	Val	Glu	Thr	Ala	Val	Lys	Leu				
				485					490					495					
Leu	Arg	Ala	Ala	Ile	Lys	Ile	Asn	Ser	Arg	Lys	Gly	Pro	Ala	Ser	Asp				
			500					505					510						
Thr	Ala	Ser	Pro	Glu	Gly	His	Ala	Ser	Asp	Met	Glu	Gly	Gln	Gly	His				
		515					520					525							
Val	His	Gly	Val	Ala	Ser	Ser	Pro	Ser	His	Asp	Leu	Ala	Lys	Glu	Glu				
	530					535					540								
Gly	Ser	His	Pro	Pro	Val	Gln	Gly	Gln	Leu	Ser	Leu	Gln	Asn	Thr	Thr				

Gly Cys Arg Lys Ala Met Lys Lys Phe Glu Arg His Thr Leu Leu Glu
 165 170 175
 Tyr Leu Leu Gly Glu Gly Asn Leu Ser Arg Pro Ala Val Gln Leu Leu
 180 185 190
 Gly Asp Val Met Ser Glu Asp Gly Phe Phe Tyr Leu Ser Phe Ala Glu
 195 200 205
 Ala Leu Arg Ala Xaa Ser Cys Leu Ser Asp Arg Leu Gln Tyr Ser Arg
 210 215 220
 Ile Val Gly Gly Trp Asp Leu Leu Pro Arg Ala Leu Leu Ser Ser Leu
 225 230 235 240
 Ser Gly Leu Val Leu Leu Asn Ala Pro Val Val Ala Met Thr Gln Gly
 245 250 255
 Pro His Asp Val His Val Gln Ile Glu Thr Ser Pro Pro Ala Arg Asn
 260 265 270
 Leu Lys Val Leu Lys Ala Asp Val Val Leu Leu Thr Ala Ser Gly Pro
 275 280 285
 Ala Val Lys Arg Ile Thr Phe Ser Pro Arg Cys Pro Ala Thr Cys Arg
 290 295 300
 Arg Arg Cys Gly Gly Cys Thr Thr Cys Arg Pro Pro Arg Cys Ser
 305 310 315

<210> 899
 <211> 46
 <212> PRT
 <213> Homo sapiens

<400> 899
 Met Pro Trp Leu Lys Ser Leu Leu His Phe Ser Leu Phe Leu Val Val
 1 5 10 15
 Phe Ser Thr Leu Ala Val Lys Ser Leu Gly Val Pro Val Ala Ala Gly
 20 25 30
 Ser Pro Phe Cys Ile Val Asp Val Leu His Phe Ile Leu Leu
 35 40 45

<210> 900
 <211> 64
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE

<222> (7)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (27)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 900
 Ser Trp Val Ile Val Val Xaa Ile Trp Gly Tyr Leu Leu Glu Gly His
 1 5 10 15

 Gly Val Pro Phe Cys Lys Ser Tyr Gly Pro Xaa Pro Trp Lys Leu His
 20 25 30

 Thr His His Ala Ala Tyr Asn Ser Gly Ser Ser Gln Val Tyr Arg Ile
 35 40 45

 Leu Gly Asn Ser Pro Cys Pro Val Leu Ile His Cys Ser Phe Ser Gly
 50 55 60

<210> 901
 <211> 14
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (9)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (14)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 901
 Trp Lys Gly Leu Leu Glu Gly Ser Xaa Glu Ala Thr Met Xaa
 1 5 10

<210> 902
 <211> 107
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (66)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 902

Pro Leu Gly Arg Glu Pro Leu Ala Gly Phe Leu Ser Phe Leu Ser Phe
1 5 10 15
Ser Leu Leu Trp Cys Leu Glu Ala Phe Pro Arg Leu Gln Phe Leu Thr
20 25 30
Thr Leu Thr Asp Phe Ala Ile Val Leu Ser Pro Pro Leu Ser Phe Pro
35 40 45
Lys Leu Thr Leu Trp Arg Leu Ile Lys Arg Lys Asn His Arg Pro Gly
50 55 60
Ala Xaa Leu Thr Pro Arg Arg Ala Asn His Leu Arg Cys Gly Val
65 70 75 80
Arg Asp Gln Pro Asp Gln Asn Arg Glu Thr Pro Ser Leu Leu Asn Asn
85 90 95
Thr Lys Leu Ala Gly Arg Gly Gly Ala Arg Leu
100 105

<210> 903

<211> 127

<212> PRT

<213> Homo sapiens

<400> 903

Met Pro Arg Ala Pro Trp Arg Ile Pro Leu Cys Ala Leu Pro Thr Leu
1 5 10 15
Cys Leu Gly Ser Pro Leu Pro Ser Gln Pro Thr His Pro Ile Phe Tyr
20 25 30
Asp His Arg Ala Pro Thr Trp Lys Met Ala His Pro Gly Gly Pro Arg
35 40 45
Ser Ser His Ser Pro Arg Gly Pro Gly Gly His Pro Ala Leu Arg Gln
50 55 60
Arg Leu Pro Cys Arg Arg Gly Glu Pro Glu Thr Ala Leu Cys Ser Ser
65 70 75 80
Ala Pro Gly Ala Gly Phe Ala Glu Pro Pro Gln Lys Ala Ser Pro Gly
85 90 95
Trp Gly Pro Pro Ser Arg Gly Pro Gln Gly Asp Arg Ser Gln Gly Glu
100 105 110
Trp Leu Pro Ala Leu Gly Thr Pro Cys Gly Gly Pro Asp Asp Ser
115 120 125

<210> 904

<211> 90
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (31)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (57)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 904
 Met Pro Arg Ala Pro Trp Arg Ile Pro Leu Cys Ala Leu Pro Thr Leu
 1 5 10 15
 Cys Leu Gly Ser Pro Leu Pro Ser Gln Pro Thr His Pro Ile Xaa Tyr
 20 25 30
 Asp His Arg Ala Pro Thr Trp Lys Met Ala His Pro Gly Gly Pro Arg
 35 40 45
 Ser Ser His Ser Pro Arg Thr Trp Xaa Thr Pro Ser Ser Gln Thr Lys
 50 55 60
 Ala Ala Leu Pro Ala Gly Gly Ala Arg Asn Ser Pro Leu Gln Leu Cys
 65 70 75 80
 Thr Arg Ser Arg Phe Cys Gly Thr Pro Met
 85 90

<210> 905
 <211> 308
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (87)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (185)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 905
 Met Pro Val Pro Trp Phe Leu Leu Ser Leu Ala Leu Gly Arg Ser Pro
 1 5 10 15
 Val Val Leu Ser Leu Glu Arg Leu Val Gly Pro Gln Asp Ala Thr His
 20 25 30

Cys Ser Pro Gly Leu Ser Cys Arg Leu Trp Asp Ser Asp Ile Leu Cys
 35 40 45
 Leu Pro Gly Asp Ile Val Pro Ala Pro Gly Pro Val Leu Ala Pro Thr
 50 55 60
 His Leu Gln Thr Glu Leu Val Leu Arg Cys Gln Lys Glu Thr Asp Cys
 65 70 75 80
 Asp Leu Cys Leu Arg Val Xaa Val His Leu Ala Val His Gly His Trp
 85 90 95
 Glu Glu Pro Glu Asp Glu Glu Lys Phe Gly Gly Ala Ala Asp Leu Gly
 100 105 110
 Val Glu Glu Pro Arg Asn Ala Ser Leu Gln Ala Gln Val Val Leu Ser
 115 120 125
 Phe Gln Ala Tyr Pro Thr Ala Arg Cys Val Leu Leu Glu Val Gln Val
 130 135 140
 Pro Ala Ala Leu Val Gln Phe Gly Gln Ser Val Gly Ser Val Val Tyr
 145 150 155 160
 Asp Cys Phe Glu Ala Ala Leu Gly Ser Glu Val Arg Ile Trp Ser Tyr
 165 170 175
 Thr Gln Pro Arg Tyr Glu Lys Glu Xaa Asn His Thr Gln Gln Leu Pro
 180 185 190
 Asp Cys Arg Gly Leu Glu Val Trp Asn Ser Ile Pro Ser Cys Trp Ala
 195 200 205
 Leu Pro Trp Leu Asn Val Ser Ala Asp Gly Asp Asn Val His Leu Val
 210 215 220
 Leu Asn Val Ser Glu Glu Gln His Phe Gly Leu Ser Leu Tyr Trp Asn
 225 230 235 240
 Gln Val Gln Gly Pro Pro Lys Pro Arg Trp His Lys Asn Leu Thr Gly
 245 250 255
 Pro Gln Ile Ile Thr Leu Asn His Thr Asp Leu Val Pro Cys Leu Cys
 260 265 270
 Ile Gln Val Trp Pro Leu Glu Pro Asp Ser Val Arg Arg Thr Ser Ala
 275 280 285
 Pro Ser Gly Arg Thr Pro Ala His Thr Arg Thr Ser Gly Lys Pro Pro
 290 295 300
 Asp Cys Asp Cys
 305

<210> 906

<211> 55
 <212> PRT
 <213> Homo sapiens

<400> 906
 Met Ser Ser Asp Phe Leu Cys Phe Phe Phe Lys Leu Cys Asn Gln Met
 1 5 10 15
 Ile Leu Cys Phe Phe Phe Arg Gly Ala Glu Tyr Trp Phe Leu Leu Leu
 20 25 30
 Val Val Phe Ser Phe Leu Cys His Ser Cys Phe Phe Phe Val Phe Ser
 35 40 45
 Val Ser Asn Thr Ile Cys Ile
 50 55

<210> 907
 <211> 214
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (199)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (206)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (214)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 907
 Met Leu Gly Ala Arg Ala Trp Leu Gly Arg Val Leu Leu Leu Pro Arg
 1 5 10 15
 Ala Gly Ala Gly Leu Ala Ala Ser Arg Arg Cys Pro Gly Val Trp Pro
 20 25 30
 Arg Thr Trp Pro His Arg Ser Pro Ser Arg Gly Ser Ser Ser Arg Asp
 35 40 45
 Lys Asp Arg Ser Ala Thr Val Ser Ser Ser Val Pro Met Pro Ala Gly
 50 55 60
 Gly Lys Gly Ser His Pro Ser Ser Thr Pro Gln Arg Val Pro Asn Arg
 65 70 75 80
 Leu Ile His Glu Lys Ser Pro Tyr Leu Leu Gln His Ala Tyr Asn Pro
 85 90 95

Val Asp Trp Tyr Pro Trp Gly Gln Glu Ala Phe Asp Lys Ala Arg Lys
 100 105 110
 Glu Asn Lys Pro Ile Phe Leu Ser Val Gly Tyr Ser Thr Cys His Trp
 115 120 125
 Cys His Met Met Glu Glu Glu Ser Phe Gln Asn Glu Glu Ile Gly Arg
 130 135 140
 Leu Leu Ser Glu Asp Phe Val Ser Val Lys Val Asp Arg Glu Glu Arg
 145 150 155 160
 Pro Asp Val Asp Lys Val Tyr Met Thr Phe Val Gln Ala Thr Ser Ser
 165 170 175
 Gly Gly Gly Trp Pro Met Asn Val Trp Leu Thr Pro Asn Leu Gln Pro
 180 185 190
 Phe Val Gly Gly Thr Ile Xaa Leu Leu Lys Asp Gly Leu Xaa Arg Val
 195 200 205
 Gly Ser Ala Gln Cys Xaa
 210

<210> 908
 <211> 43
 <212> PRT
 <213> Homo sapiens

<400> 908
 Met Leu Gly Ala Arg Ala Trp Leu Gly Arg Val Leu Leu Leu Pro Arg
 1 5 10 15
 Ala Gly Ala Gly Leu Ala Ala Ser Arg Arg Ser Ala Cys Ser Pro Thr
 20 25 30
 Ser Arg Leu Asn Ser Leu Arg Ser Leu Ile Pro
 35 40

<210> 909
 <211> 98
 <212> PRT
 <213> Homo sapiens

<400> 909
 Met His Cys Cys Gln Leu Pro Trp Arg Cys Ala Gln Ala Pro Gln Glu
 1 5 10 15
 Ala Phe Leu Leu Cys Leu Leu Phe Leu Ile Leu Val Leu Val Leu Leu
 20 25 30
 Gly Cys Ser Arg Gly Leu Pro Gly His Thr Pro Trp Arg Leu His Pro

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (201)

<223> Xaa equals any of the naturally occurring amino acids

<400> 912

Met	Phe	Val	Gly	Leu	Met	Ala	Phe	Leu	Leu	Ser	Phe	Tyr	Leu	Ile	Phe
1				5					10					15	
Thr	Asn	Glu	Gly	Arg	Ala	Leu	Lys	Thr	Ala	Thr	Ser	Leu	Ala	Glu	Gly
			20					25					30		
Leu	Ser	Leu	Val	Val	Ser	Pro	Asp	Ser	Ile	His	Ser	Val	Ala	Pro	Glu
		35					40					45			
Asn	Glu	Gly	Arg	Leu	Val	His	Ile	Ile	Gly	Ala	Leu	Arg	Thr	Ser	Lys
	50					55						60			
Leu	Leu	Ser	Asp	Pro	Asn	Tyr	Gly	Val	His	Leu	Pro	Ala	Val	Lys	Leu
65					70					75					80
Arg	Arg	His	Val	Glu	Met	Tyr	Gln	Trp	Val	Glu	Thr	Glu	Glu	Ser	Arg
			85						90						95
Glu	Tyr	Thr	Glu	Asp	Gly	Gln	Val	Lys	Lys	Glu	Thr	Arg	Tyr	Ser	Tyr
			100					105					110		
Asn	Thr	Glu	Trp	Arg	Ser	Glu	Ile	Ile	Asn	Ser	Lys	Asn	Phe	Asp	Arg
		115					120					125			
Glu	Ile	Gly	His	Lys	Asn	Pro	Ser	Ala	Met	Ala	Val	Glu	Ser	Phe	Xaa
	130					135					140				
Ala	Thr	Ala	Pro	Phe	Val	Gln	Ile	Gly	Arg	Phe	Phe	Leu	Ser	Ser	Gly
145					150					155					160
Leu	Ile	Asp	Lys	Val	Asp	Asn	Phe	Lys	Ser	Leu	Ser	Leu	Ser	Lys	Leu
				165					170					175	
Glu	Asp	Pro	His	Val	Asp	Ile	Ile	Arg	Arg	Gly	Asp	Phe	Phe	Tyr	His
			180					185					190		
Ser	Glu	Asn	Pro	Lys	Tyr	Pro	Glu	Xaa	Gly	Asp	Leu	Arg	Val	Ser	Phe
		195					200					205			
Ser	Tyr	Ala	Gly	Leu	Ser	Gly	Asp	Asp	Pro	Asp	Leu	Gly	Pro	Ala	His
	210					215					220				
Val	Val	Thr	Val	Ile	Ala	Arg	Gln	Arg	Gly	Asp	Gln	Leu	Val	Pro	Phe
225					230					235					240
Ser	Thr	Lys	Ser	Gly	Asp	Thr	Leu	Leu	Leu	Leu	His	His	Gly	Asp	Phe
				245				250						255	
Ser	Ala	Glu	Glu	Val	Phe	His	Arg	Glu	Leu	Arg	Ser	Asn	Ser	Met	Lys

260	265	270
Thr Trp Gly Leu Arg Ala Ala Gly Trp Met Ala Met Phe Met Gly Leu		
275	280	285
Asn Leu Met Thr Arg Ile Leu Tyr Thr Leu Val Asp Trp Phe Pro Val		
290	295	300
Phe Arg Asp Leu Val Asn Ile Gly Leu Lys Ala Phe Ala Phe Cys Val		
305	310	315
Ala Thr Ser Leu Thr Leu Leu Thr Val Ala Ala Gly Trp Leu Phe Tyr		
325	330	335
Arg Pro Leu Trp Ala Leu Leu Ile Ala Gly Leu Ala Leu Val Pro Ile		
340	345	350
Leu Val Ala Arg Thr Arg Val Pro Ala Lys Lys Leu Glu		
355	360	365

<210> 913
 <211> 108
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (58)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 913
 Met Phe Tyr Lys Leu Thr Leu Ile Leu Cys Glu Leu Ser Val Ala Gly
 1 5 10 15
 Val Thr Gln Ala Ala Ser Gln Arg Pro Leu Gln Arg Leu Pro ArgHis
 20 25 30
 Ile Cys Ser Gln Arg Asn Pro Pro Gly Arg Cys Leu Leu Lys Ala Xaa
 35 40 45

Leu Gln Thr Thr Trp Gly Xaa Pro Asp Xaa Gln Phe Pro Gly Cys Pro
 50 55 60
 His Pro Xaa Arg Val Thr Leu Asn Ala Arg Gln Met Gly Asn Gly Lys
 65 70 75 80
 Glu Lys Lys Ala Ala Asp Leu Lys Leu Lys Phe Pro Gln Lys Arg Phe
 85 90 95
 Tyr Leu Ser Ala Phe Ser Glu Arg Ile Lys Ala Phe
 100 105

<210> 914
 <211> 73
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (38)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (48)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (54)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (55)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (68)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 914
 Met Phe Tyr Lys Leu Thr Leu Ile Leu Cys Glu Leu Ser Val Ala Gly
 1 5 10 15
 Val Thr Gln Ala Ala Ser Gln Arg Pro Leu Gln Arg Leu Pro Arg His
 20 25 30
 Ile Cys Ser Gln Arg Xaa Pro Pro Gly Arg Cys Leu Leu Lys Ala Xaa
 35 40 45
 Leu Gln Thr Thr Trp Xaa Xaa Pro Asp Lys Pro Ile Pro Arg Leu Ser
 50 55 60

Pro Pro Leu Xaa Ser Asp Pro Lys Arg
65 70

<210> 915
<211> 81
<212> PRT
<213> Homo sapiens

<400> 915
Met Ser Lys Arg Ser Ala Ser Phe Ile Leu Leu Pro Leu Leu Phe Leu
1 5 10 15
Lys Gly Ser Phe Ala Lys Leu Asn Ala Arg Ile Ser Asp Cys Leu Glu
20 25 30
Glu Arg Tyr Cys His Asn Leu Trp Met Val Phe Gln Gly Cys Val Ile
35 40 45
Thr Glu Leu His Leu Ser Arg Met Ser Lys Thr Leu Ser Ser Leu Cys
50 55 60
Tyr Asp Phe Val Ile Asn Val Tyr Ile Phe Phe Lys Phe Leu Asp Ile
65 70 75 80
Thr

<210> 916
<211> 201
<212> PRT
<213> Homo sapiens

<400> 916
Met Thr Leu Arg Pro Ser Leu Leu Pro Leu His Leu Leu Leu Leu
1 5 10 15
Leu Leu Ser Ala Ala Val Cys Arg Ala Glu Ala Gly Leu Glu Thr Glu
20 25 30
Ser Pro Val Arg Thr Leu Gln Val Glu Thr Leu Val Glu Pro Pro Glu
35 40 45
Pro Cys Ala Glu Pro Ala Ala Phe Gly Asp Thr Leu His Ile His Tyr
50 55 60
Thr Gly Ser Leu Val Asp Gly Arg Ile Ile Asp Thr Ser Leu Thr Arg
65 70 75 80
Asp Pro Leu Val Ile Glu Leu Gly Gln Lys Gln Val Ile Pro Gly Leu
85 90 95
Glu Gln Ser Leu Leu Asp Met Cys Val Gly Glu Lys Arg Arg Ala Ile
100 105 110

Ile Pro Ser His Leu Ala Tyr Gly Lys Arg Gly Phe Pro Pro Ser Val
 115 120 125
 Pro Ala Asp Ala Val Val Gln Tyr Asp Val Glu Leu Ile Ala Leu Ile
 130 135 140
 Arg Ala Asn Tyr Trp Leu Lys Leu Val Lys Gly Ile Leu Pro Leu Val
 145 150 155 160
 Gly Met Ala Met Val Pro Ala Leu Leu Gly Leu Ile Gly Tyr His Leu
 165 170 175
 Tyr Arg Lys Ala Asn Arg Pro Lys Val Ser Lys Lys Lys Leu Lys Glu
 180 185 190
 Glu Lys Arg Asn Lys Ser Lys Lys Lys
 195 200

<210> 917
 <211> 203
 <212> PRT
 <213> Homo sapiens

<400> 917

Met Thr Leu Arg Pro Ser Leu Leu Pro Leu His Leu Leu Leu Leu Leu
 1 5 10 15
 Leu Leu Ser Ala Ala Val Cys Arg Ala Glu Ala Gly Leu Glu Thr Glu
 20 25 30
 Ser Pro Val Arg Thr Leu Gln Val Glu Thr Leu Val Glu Pro Pro Glu
 35 40 45
 Pro Cys Ala Glu Pro Ala Ala Phe Gly Asp Thr Leu His Ile His Tyr
 50 55 60
 Thr Gly Ser Leu Val Asp Gly Arg Ile Ile Asp Thr Ser Leu Thr Arg
 65 70 75 80
 Asp Pro Leu Val Ile Glu Leu Gly Gln Lys Gln Val Ile Pro Gly Leu
 85 90 95
 Glu Gln Ser Leu Leu Asp Met Cys Val Gly Glu Lys Arg Arg Ala Ile
 100 105 110
 Ile Pro Ser His Leu Ala Tyr Gly Lys Arg Gly Phe Pro Pro Ser Val
 115 120 125
 Pro Ala Asp Ala Val Val Gln Tyr Asp Val Glu Leu Ile Ala Leu Ile
 130 135 140
 Arg Ala Asn Tyr Trp Leu Lys Leu Val Lys Gly Ile Leu Pro Leu Val
 145 150 155 160

Gly Met Ala Met Val Pro Pro Ser Trp Ala Ser Leu Gly Ile Thr Tyr
165 170 175

Thr Glu Arg Pro Ile Asp Pro Lys Ser Pro Lys Arg Ser Ser Arg Lys
180 185 190

Arg Asn Glu Thr Arg Ala Lys Arg Asn Asn Lys
195 200

<210> 918
<211> 122
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (89)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (91)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (94)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (97)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (98)
<223> Xaa equals any of the naturally occurring amino acids

<400> 918
Met His Arg Ser Glu Pro Phe Leu Lys Met Ser Leu Leu Ile Leu Leu
1 5 10 15

Phe Leu Gly Leu Ala Glu Ala Cys Thr Pro Arg Glu Val Asn Leu Leu
20 25 30

Lys Gly Ile Ile Gly Leu Met Ser Arg Leu Ser Pro Asp Glu Ile Leu
35 40 45

Gly Leu Leu Ser Leu Gln Val Leu His Glu Glu Thr Ser Gly Cys Lys
50 55 60

Glu Glu Val Lys Pro Phe Ser Gly Thr Thr Pro Ser Arg Lys Pro Leu
65 70 75 80

Pro Lys Arg Glu Glu His Val Glu Xaa Pro Xaa Asn Ala Xaa Thr Trp
85 90 95
Xaa Xaa Thr Tyr Leu Phe Val Ser Tyr Asn Lys Gly Asp Trp Phe Thr
100 105 110
Phe Ser Ser Gln Val Leu Leu Pro Leu Leu
115 120

<210> 919
<211> 194
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (138)
<223> Xaa equals any of the naturally occurring amino acids

<400> 919
Met Lys Leu Ala Ser Gly Phe Leu Val Leu Trp Leu Ser Leu Gly Gly
1 5 10 15
Gly Leu Ala Gln Ser Asp Thr Ser Pro Asp Thr Glu Glu Ser Tyr Ser
20 25 30
Asp Trp Gly Leu Arg His Leu Arg Gly Ser Phe Glu Ser Val Asn Ser
35 40 45
Tyr Phe Asp Ser Phe Leu Glu Leu Leu Gly Gly Lys Asn Gly Val Cys
50 55 60
Gln Tyr Arg Cys Arg Tyr Gly Lys Ala Pro Met Pro Arg Pro Gly Tyr
65 70 75 80
Lys Pro Gln Glu Pro Asn Gly Cys Gly Ser Tyr Phe Leu Gly Leu Lys
85 90 95
Val Pro Glu Ser Met Asp Leu Gly Ile Pro Ala Met Thr Lys Cys Cys
100 105 110
Asn Gln Leu Asp Val Cys Tyr Asp Thr Cys Gly Ala Asn Lys Tyr Arg
115 120 125
Cys Asp Ala Lys Phe Arg Trp Cys Leu Xaa Ser Ile Cys Ser Asp Leu
130 135 140
Lys Arg Ser Leu Gly Phe Val Ser Lys Val Glu Ala Cys Asp Ser Leu
145 150 155 160
Val Asp Thr Val Phe Asn Thr Val Trp Thr Leu Gly Cys Arg Pro Phe
165 170 175
Met Asn Ser Gln Arg Ala Ala Cys Ile Cys Ala Glu Glu Glu Lys Glu
180 185 190

Glu Leu

<210> 920
<211> 67
<212> PRT
<213> Homo sapiens

<400> 920
Leu Gln Glu Phe Gly Thr Ser Gly Thr Ser Ala Asn Thr Thr Ala Val
1 5 10 15
Ala Leu Asn Ala Pro Ala His Pro Ala Arg Leu Leu Pro Pro Gly Pro
20 25 30
Ala Val Ala Leu Leu Leu Leu Arg Gly Ser Cys Ser Leu Cys Cys Cys
35 40 45
His Gln Pro His Lys Ala Ser Cys Lys Ala Met Pro Ser Ala Gly Ser
50 55 60
Asn Val Pro
65

<210> 921
<211> 170
<212> PRT
<213> Homo sapiens

<400> 921
Met Ala Thr Ala Met Asp Trp Leu Pro Trp Ser Leu Leu Leu Phe Ser
1 5 10 15
Leu Met Cys Glu Thr Ser Ala Phe Tyr Val Pro Gly ValAla Pro Ile
20 25 30
Asn Phe His Gln Asn Asp Pro Val Glu Ile Lys Ala Val Lys Leu Thr
35 40 45
Ser Ser Arg Thr Gln Leu Pro Tyr Glu Tyr Tyr Ser Leu Pro Phe Cys
50 55 60
Gln Pro Ser Lys Ile Thr Tyr Lys Ala Glu Asn Leu Gly Glu Val Leu
65 70 75 80
Arg Gly Asp Arg Ile Val Asn Thr Pro Phe Gln Val Leu Met Asn Ser
85 90 95
Glu Lys Lys Cys Glu Val Leu Cys Ser Gln Ser Asn Lys Pro Val Thr
100 105 110
Leu Thr Val Glu Gln Ser Arg Leu Val Ala Glu Arg Ile Thr Glu Asp

	115		120		125
Tyr	Tyr Val His Leu Ile Ala Asp Asn Leu Pro Val Ala Thr Arg Leu				
	130		135		140
Glu	Leu Tyr Ser Asn Arg Asp Ser Asp Asp Lys Lys Lys Glu Ser Asp				
145		150		155	160
Ile	Lys Trp Ala Ser Arg Trp Asp Thr Tyr				
	165		170		

<210> 922
 <211> 151
 <212> PRT
 <213> Homo sapiens

<400> 922
His Ala Ser Gly Ala Arg Arg Arg Leu Gln Ala Pro Pro Val Pro His
1 5 10 15
Asp Pro Gln Leu Pro Ala Gly Leu Arg His Ser Ala Val Leu Tyr Asp
20 25 30
Pro His Arg His Leu Cys Ser His Ala Trp Asp Ala Val Ala Leu Gln
35 40 45
Pro Gly Ser Ser His Asp His Ser Leu Leu Pro Leu His Val His Gly
50 55 60
Gly Val Trp Arg Ile Phe Cys Trp Pro Ser Val Pro His Phe Lys Arg
65 70 75 80
Pro Ser Val Glu Glu Arg Ser Leu Leu Tyr Gly Asn Ser Val Pro Trp
85 90 95
Cys Gly Phe Trp His Leu Leu Arg Ile Glu Leu Leu His Leu Gly Lys
100 105 110
Ala Leu Ile Arg Ser Gly Ala Leu Ser His His Gly Gly Ser Ala Val
115 120 125
His Val Val Arg Asp Leu Pro Ala Pro Arg Leu Leu Gly Leu Leu Leu
130 135 140
Arg Leu Pro Lys Ala Ala Ile
145 150

<210> 923
 <211> 236
 <212> PRT
 <213> Homo sapiens

<220>

<221> SITE

<222> (55)

<223> Xaa equals any of the naturally occurring amino acids

<400> 923

```
Met Ile Ser Leu Pro Gly Pro Leu Val Thr Asn Leu Leu Arg Phe Leu
  1           5           10           15

Phe Leu Gly Leu Ser Ala Leu Ala Pro Pro Ser Arg Ala Gln Leu Gln
      20           25           30

Leu His Leu Pro Ala Asn Arg Leu Gln Ala Val Glu Gly Gly Glu Val
      35           40           45

Val Leu Pro Ala Trp Tyr Xaa Leu His Gly Glu Val Ser Ser Ser Gln
      50           55           60

Pro Trp Glu Val Pro Phe Val Met Trp Phe Phe Lys Gln Lys Glu Lys
      65           70           75           80

Glu Asp Gln Val Leu Ser Tyr Ile Asn Gly Val Thr Thr Ser Lys Pro
      85           90           95

Gly Val Ser Leu Val Tyr Ser Met Pro Ser Arg Asn Leu Ser Leu Arg
      100          105          110

Leu Glu Gly Leu Gln Glu Lys Asp Ser Gly Pro Tyr Ser Cys Ser Val
      115          120          125

Asn Val Gln Asp Lys Gln Gly Lys Ser Arg Gly His Ser Ile Lys Thr
      130          135          140

Leu Glu Leu Asn Val Leu Val Pro Pro Ala Pro Pro Ser Cys Arg Leu
      145          150          155          160

Gln Gly Val Pro His Val Gly Ala Asn Val Thr Leu Ser Asn Gln Ser
      165          170          175

Pro Arg Ser Lys Pro Ala Val Gln Tyr Gln Trp Asp Arg Gln Leu Pro
      180          185          190

Ser Phe Gln Thr Phe Phe Ala Pro Ala Leu Asp Val Ile Arg Tyr Ser
      195          200          205

Leu Ser Leu Thr Asn Leu Ser Ser Ser Met Ala Gly Val Tyr Val Cys
      210          215          220

Lys Ala His Asn Glu Val Gly Thr Ala Asn Val Met
      225          230          235
```

<210> 924

<211> 11

<212> PRT

<213> Homo sapiens

<400> 924

Met Ser Gly Gly Leu Ser Phe Leu Leu Leu Val
1 5 10

<210> 925

<211> 302

<212> PRT

<213> Homo sapiens

<400> 925

Met Ala Arg Ala Arg Gly Ser Pro Cys Pro Pro Leu Pro Pro Gly Arg
1 5 10 15

Met Ser Trp Pro His Gly Ala Leu Leu Phe Leu Trp Leu Phe Ser Pro
20 25 30

Pro Leu Gly Ala Gly Gly Gly Gly Val Ala Val Thr Ser Ala Ala Gly
35 40 45

Gly Gly Ser Pro Pro Ala Thr Ser Cys Pro Val Ala Cys Ser Cys Ser
50 55 60

Asn Gln Ala Ser Arg Val Ile Cys Thr Arg Arg Asp Leu Ala Glu Val
65 70 75 80

Pro Ala Ser Ile Pro Val Asn Thr Arg Tyr Leu Asn Leu Gln Glu Asn
85 90 95

Gly Ile Gln Val Ile Arg Thr Asp Thr Phe Lys His Leu Arg His Leu
100 105 110

Glu Ile Leu Gln Leu Ser Lys Asn Leu Val Arg Lys Ile Glu Val Gly
115 120 125

Ala Phe Asn Gly Leu Pro Ser Leu Asn Thr Leu Glu Leu Phe Asp Asn
130 135 140

Arg Leu Thr Thr Val Pro Thr Gln Ala Phe Glu Tyr Leu Ser Lys Leu
145 150 155 160

Arg Glu Leu Trp Leu Arg Asn Asn Pro Ile Glu Ser Ile Pro Ser Tyr
165 170 175

Ala Phe Asn Arg Val Pro Ser Leu Arg Arg Leu Asp Leu Gly Glu Leu
180 185 190

Lys Arg Leu Glu Tyr Ile Ser Glu Ala Ala Phe Glu Gly Leu Val Asn
195 200 205

Leu Arg Tyr Leu Asn Leu Gly Met Cys Asn Leu Lys Asp Ile Pro Asn
210 215 220

Leu Thr Ala Leu Val Arg Leu Glu Glu Leu Glu Leu Ser Gly Asn Arg
225 230 235 240

Leu Asp Leu Ile Arg Pro Gly Ser Phe Gln Gly Leu Thr Ser Leu Arg
 245 250 255
 Lys Leu Trp Leu Met His Ala Gln Val Ala Thr Ile Glu Arg Asn Ala
 260 265 270
 Phe Asp Asp Leu Lys Ser Leu Glu Glu Leu Asn Leu Ser His Asn Asn
 275 280 285
 Leu Met Ser Leu Pro His Asp Leu Phe Thr Pro Leu His Arg
 290 295 300

<210> 926

<211> 224

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (76)

<223> Xaa equals any of the naturally occurring amino acids

<400> 926

Met Ala Arg Ala Arg Gly Ser Pro Cys Pro Pro Leu Pro Pro Gly Arg
 1 5 10 15
 Met Ser Trp Pro His Gly Ala Leu Leu Phe Leu Trp Leu Phe Ser Pro
 20 25 30
 Pro Leu Gly Ala Gly Gly Gly Gly Val Ala Val Thr Ser Ala Ala Gly
 35 40 45
 Gly Gly Ser Pro Pro Ala Thr Ser Cys Pro Val Ala Cys Ser Cys Ser
 50 55 60
 Asn Gln Ala Ser Arg Val Ile Cys Thr Arg Arg Xaa Leu Ala Glu Val
 65 70 75 80
 Pro Ala Ser Ile Pro Val Asn Thr Arg Tyr Leu Asn Leu Gln Glu Asn
 85 90 95
 Gly Ile Gln Val Ile Arg Thr Asp Thr Phe Lys His Leu Arg His Leu
 100 105 110
 Glu Ile Leu Gln Leu Ser Lys Asn Leu Val Arg Lys Ile Glu Val Gly
 115 120 125
 Ala Phe Asn Gly Leu Pro Ser Leu Asn Thr Leu Glu Leu Phe Asp Asn
 130 135 140
 Arg Leu Thr Thr Val Pro Thr Gln Ala Phe Glu Tyr Leu Ser Lys Leu
 145 150 155 160
 Arg Glu Leu Trp Leu Arg Asn Asn Pro Ile Glu Ser Ile Pro Ser Tyr
 165 170 175

Ala Phe Asn Arg Val Pro Ser Leu Arg Arg Leu Asp Leu Gly Glu Leu
180 185 190
Lys Arg Leu Glu Tyr Ile Ser Glu Ala Ala Phe Glu Gly Leu Val Asn
195 200 205
Leu Arg Tyr Leu Asn Leu Gly Met Cys Asn Leu Lys Asp Ile Pro Asn
210 215 220

<210> 927
<211> 108
<212> PRT
<213> Homo sapiens

<400> 927
Met Lys Ala Leu Cys Leu Leu Leu Leu Pro Val Leu Gly Leu Leu Val
1 5 10 15
Ser Ser Lys Thr Leu Cys Ser Met Glu Glu Ala Ile Asn Glu Arg Ile
20 25 30
Gln Glu Val Ala Gly Ser Leu Ile Phe Arg Ala Ile Ser Ser Ile Gly
35 40 45
Leu Glu Cys Gln Ser Val Thr Ser Arg Gly Asp Leu Ala Thr Cys Pro
50 55 60
Arg Gly Phe Ala Val Thr Gly Cys Thr Cys Gly Ser Ala Cys Gly Ser
65 70 75 80
Trp Asp Val Arg Ala Glu Thr Thr Cys His Cys Gln Cys Ala Gly Met
85 90 95
Asp Trp Thr Gly Ala Arg Cys Cys Arg Val Gln Pro
100 105

<210> 928
<211> 130
<212> PRT
<213> Homo sapiens

<400> 928
Ser Thr Cys Cys Gly Trp Gly Pro Leu Gly His Ser Arg Val Arg Gly
1 5 10 15
Cys His Cys His Leu Gly His Val Gly Arg His Gln His Phe Val Val
20 25 30
Thr Asn Ser Thr Val Thr Asn Ile Phe Gly Gln Ile Pro Phe Tyr Thr

	100		105		110
Pro Gly Ala Leu Val Thr Trp Thr Pro Gly					
	115		120		

<210> 930
 <211> 223
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (132)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 930
 Ala Trp Tyr Leu Leu Arg Val Gln Val Leu Gln Leu Val Ala Ala Tyr
 1 5 10 15
 Leu Ser Leu Pro Ser Asn Asn Leu Ser His Ser Leu Trp Glu Gln Leu
 20 25 30
 Cys Ala Gln Gly Trp Gln Thr Pro Glu Ile Ala Leu Ile Asp Ser His
 35 40 45
 Lys Leu Leu Arg Ser Ile Ile Leu Leu Leu Met Gly Ser Asp Ile Leu
 50 55 60
 Ser Thr Gln Lys Ala Ala Val Glu Thr Ser Phe Leu Asp Tyr Gly Glu
 65 70 75 80
 Asn Leu Val Gln Lys Trp Gln Val Leu Ser Glu Val Leu Ser Cys Ser
 85 90 95
 Glu Lys Leu Val Cys His Leu Gly Arg Leu Gly Ser Val Ser Glu Ala
 100 105 110
 Lys Ala Phe Cys Leu Glu Ala Leu Lys Leu Thr Thr Lys Leu Gln Ile
 115 120 125
 Pro Arg Gln Xaa Ala Leu Phe Leu Val Leu Lys Gly Glu Leu Glu Leu
 130 135 140
 Ala Arg Asn Asp Ile Asp Leu Cys Gln Ser Asp Leu Gln Gln Val Leu
 145 150 155 160
 Phe Leu Leu Glu Ser Cys Thr Glu Phe Gly Gly Val Thr Gln His Leu
 165 170 175
 Asp Ser Val Lys Lys Val His Leu Gln Lys Gly Lys Gln Gln Ala Gln
 180 185 190
 Val Pro Cys Pro Pro Gln Leu Pro Glu Glu Glu Leu Phe Leu Arg Gly
 195 200 205

Pro Ala Leu Glu Leu Val Pro Leu Trp Pro Arg Ser Leu Ala Pro
 210 215 220

<210> 931
 <211> 8
 <212> PRT
 <213> Homo sapiens

<400> 931
 Ala Trp Phe Leu Val Lys Pro Glu
 1 5

<210> 932
 <211> 83
 <212> PRT
 <213> Homo sapiens

<400> 932
 Ile Val Leu Lys Tyr Ile Met Ala Gly Cys Pro Leu Phe Leu Gly Asn
 1 5 10 15
 Leu Trp Asp Val Thr Asp Arg Asp Ile Asp Arg Tyr Thr Glu Ala Leu
 20 25 30
 Leu Gln Gly Trp Leu Gly Ser Arg Pro Arg Ala Pro Leu Leu Tyr Tyr
 35 40 45
 Val Asn Gln Ala Arg Gln Ala Pro Arg Leu Lys Tyr Leu Ile Gly Ala
 50 55 60
 Ala Pro Ile Pro Met Ala Cys Leu Ser Leu Cys Gly Asn Pro Met Glu
 65 70 75 80
 Leu Ser Tyr

<210> 933
 <211> 243
 <212> PRT
 <213> Homo sapiens

<400> 933
 Met Gly Thr Leu Pro Trp Leu Leu Ala Phe Phe Ile Leu Gly Leu Gln
 1 5 10 15
 Ala Trp Asp Thr Pro Thr Ile Val Ser Arg Lys Glu Trp Gly Ala Arg
 20 25 30
 Pro Leu Ala Cys Arg Ala Leu Leu Thr Leu Pro Val Ala Tyr Ile Ile
 35 40 45

Thr Asp Gln Leu Pro Gly Met Gln Cys Gln Gln Gln Ser Val Cys Ser
 50 55 60
 Gln Met Leu Arg Gly Leu Gln Ser His Ser Val Tyr Thr Ile Gly Trp
 65 70 75 80
 Cys Asp Val Ala Tyr Asn Phe Leu Val Gly Asp Asp Gly Arg Val Tyr
 85 90 95
 Glu Gly Val Gly Trp Asn Ile Gln Gly Leu His Thr Gln Gly Tyr Asn
 100 105 110
 Asn Ile Ser Leu Gly Ile Ala Phe Phe Gly Asn Lys Ile Ser Ser Ser
 115 120 125
 Pro Ser Pro Ala Ala Leu Ser Ala Ala Glu Gly Leu Ile Ser Tyr Ala
 130 135 140
 Ile Gln Lys Gly His Leu Ser Pro Arg Tyr Ile Gln Pro Leu Leu Leu
 145 150 155 160
 Lys Glu Glu Thr Cys Leu Asp Pro Gln His Pro Val Met Pro Arg Lys
 165 170 175
 Val Cys Pro Asn Ile Ile Lys Arg Ser Ala Trp Glu Ala Arg Glu Thr
 180 185 190
 His Cys Pro Lys Met Asn Leu Pro Ala Lys Tyr Val Ile Ile Ile His
 195 200 205
 Thr Ala Gly Thr Ser Cys Thr Val Ser Thr Asp Cys Gln Thr Val Val
 210 215 220
 Arg Asn Ile Gln Ser Phe His Met Asp Thr Arg Asn Phe Cys Asp Ile
 225 230 235 240
 Gly Tyr Gln

<210> 934

<211> 154

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (150)

<223> Xaa equals any of the naturally occurring amino acids

<400> 934

Met Ala Arg His Gly Leu Pro Leu Leu Pro Leu Leu Ser Leu Leu Val
 1 5 10 15
 Gly Ala Trp Leu Lys Leu Gly Asn Gly Gln Ala Thr Ser Met Val Gln
 20 25 30

Leu Gln Gly Gly Arg Phe Leu Met Gly Thr Asn Ser Pro Asp Ser Arg
 35 40 45
 Asp Gly Glu Gly Pro Val Arg Glu Ala Thr Val Lys Pro Phe Ala Ile
 50 55 60
 Asp Ile Phe Pro Val Thr Asn Lys Asp Phe Arg Asp Phe Val Arg Glu
 65 70 75 80
 Lys Lys Tyr Arg Thr Glu Ala Glu Met Phe Gly Trp Ser Phe Val Phe
 85 90 95
 Glu Asp Phe Val Ser Asp Glu Leu Arg Asn Lys Ala Thr Gln Pro Met
 100 105 110
 Lys Ser Val Leu Trp Trp Leu Pro Val Glu Lys Ala Phe Trp Arg Gln
 115 120 125
 Pro Ala Gly Pro Gly Ser Gly Ile Arg Glu Arg Leu Glu His Pro Val
 130 135 140
 Leu His Val Ser Trp Xaa Asp Ala Arg Ala
 145 150

<210> 935
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 935
 Met Pro Cys Thr Cys Thr Trp Arg Asn Trp Arg Gln Trp Ile Arg Pro
 1 5 10 15
 Leu Val Ala Val Ile Tyr Leu Val Ser Ile Val Val Ala Val Pro Leu
 20 25 30
 Cys Val Trp Glu Leu Gln Lys Leu Glu Val Gly Ile His Trp Lys Ala
 35 40 45
 Trp Phe Ile Ala Gly Ile Phe Leu Leu
 50 55

<210> 936
 <211> 107
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (92)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 936

Met Val Arg Tyr Thr Tyr Ser Met Leu Ser Val Ile Gly Ile Ser Tyr
1 5 10 15
Ala Val Leu Thr Trp Leu Ser Gln Thr Leu Trp Met Pro Ile Tyr Pro
20 25 30
Leu Cys Val Leu Ala Glu Ala Phe Ala Ile Tyr Gln Ser Leu Pro Tyr
35 40 45
Phe Glu Ser Phe Gly Thr Tyr Ser Thr Lys Leu Pro Phe Asp Leu Ser
50 55 60
Ile Tyr Phe Pro Tyr Val Leu Lys Ile Tyr Leu Met Met Leu Phe Ile
65 70 75 80
Gly Met Tyr Phe Thr Tyr Ser His Leu Tyr Ser Xaa Arg Arg Asp Ile
85 90 95
Leu Gly Ile Phe Pro Ile Lys Lys Lys Lys Met
100 105

<210> 937

<211> 37

<212> PRT

<213> Homo sapiens

<400> 937

Met Val Arg Tyr Thr Tyr Ser Met Leu Ser Val Ile Gly Ile Ser Tyr
1 5 10 15
Ala Val Leu Thr Trp Ala Gln Ser Asn Thr Met Asp Ala Asn Leu Ser
20 25 30
Phe Val Cys Ser Cys
35

<210> 938

<211> 46

<212> PRT

<213> Homo sapiens

<400> 938

Met Lys Ser Gln Cys Tyr Ser Pro Ser Tyr Phe Ala Phe Phe Cys Leu
1 5 10 15
Val Phe Phe Gln Ile Thr Ser Ala Ser Ser Gln Thr Leu Arg Gly His
20 25 30
Val Leu Cys Arg Thr Thr Leu Arg Asp Ser Ser Ala Tyr Cys
35 40 45

<210> 939
 <211> 442
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (364)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 939
 Met Trp Phe Thr Tyr Leu Leu Leu Tyr Leu His Ser Val Arg Ala Tyr
 1 5 10 15

 Ser Ser Arg Gly Ala Gly Cys Cys Cys Cys Trp Ala Arg Trp Arg Arg
 20 25 30

 Ala Val His Thr Ala Arg Gly Leu Arg Gly Arg Pro Arg Arg Gln Leu
 35 40 45

 Leu Arg Pro Leu Arg Pro Ala Gln Gly Leu Ala Pro Gly Arg His Arg
 50 55 60

 Leu Arg Pro Ala Val Leu Pro Leu His Leu Gln Pro Leu Pro Gly Leu
 65 70 75 80

 Trp Gly Gly His Ala Glu Trp Ala Ala Leu Leu Tyr Tyr Gly Pro Phe
 85 90 95

 Ile Val Ile Phe Gln Phe Gly Trp Ala Ser Thr Gln Ile Ser His Leu
 100 105 110

 Ser Leu Ile Pro Glu Leu Val Thr Asn Asp His Glu Lys Val Glu Leu
 115 120 125

 Thr Ala Leu Arg Tyr Ala Phe Thr Val Val Ala Asn Ile Thr Val Tyr
 130 135 140

 Gly Ala Ala Trp Leu Leu Leu His Leu Gln Gly Ser Ser Arg Val Glu
 145 150 155 160

 Pro Thr Gln Asp Ile Ser Ile Ser Asp Gln Leu Gly Gly Gln Asp Val
 165 170 175

 Pro Val Phe Arg Asn Leu Ser Leu Leu Val Val Gly Val Gly Ala Val
 180 185 190

 Phe Ser Leu Leu Phe His Leu Gly Thr Arg Glu Arg Arg Arg Pro His
 195 200 205

 Ala Glu Glu Pro Gly Glu His Thr Pro Leu Leu Ala Pro Ala Thr Ala
 210 215 220

 Gln Pro Leu Leu Leu Trp Lys His Trp Leu Arg Glu Pro Ala Phe Tyr
 225 230 235 240

Gln Val Gly Ile Leu Tyr Met Thr Thr Arg Leu Ile Val Asn Leu Ser
 245 250 255
 Gln Thr Tyr Met Ala Met Tyr Leu Thr Tyr Ser Leu His Leu Pro Lys
 260 265 270
 Lys Phe Ile Ala Thr Ile Pro Leu Val Met Tyr Leu Ser Gly Phe Leu
 275 280 285
 Ser Ser Phe Leu Met Lys Pro Ile Asn Lys Cys Ile Gly Arg Asn Met
 290 295 300
 Thr Tyr Phe Ser Gly Leu Leu Val Ile Leu Ala Phe Ala Ala Trp Val
 305 310 315 320
 Ala Leu Ala Glu Gly Leu Gly Val Ala Val Tyr Ala Ala Ala Val Leu
 325 330 335
 Leu Gly Ala Gly Cys Ala Thr Ile Leu Val Thr Ser Leu Ala Met Thr
 340 345 350
 Ala Asp Leu Ile Gly Pro His Thr Asn Ser Gly Xaa Phe Val Tyr Gly
 355 360 365
 Ser Met Ser Phe Leu Asp Lys Val Ala Asn Gly Leu Ala Val Met Ala
 370 375 380
 Ile Gln Ser Leu His Pro Cys Pro Ser Glu Leu Cys Cys Arg Ala Cys
 385 390 395 400
 Val Ser Phe Tyr His Trp Ala Met Val Ala Val Thr Gly Gly Val Gly
 405 410 415
 Val Ala Ala Ala Leu Cys Leu Cys Ser Leu Leu Leu Trp Pro Thr Arg
 420 425 430
 Leu Arg Arg Trp Asp Arg Asp Ala Arg Pro
 435 440

<210> 940

<211> 309

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (26)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (84)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (111)

<223> Xaa equals any of the naturally occurring amino acids

<400> 940

Ala Ala Asp Asn Tyr Gly Ile Pro Arg Ala Cys Arg Asn Ser Ala Arg
1 5 10 15

Ser Tyr Gly Ala Ala Trp Leu Leu Leu Xaa Pro Ala Gly Ser Ser Arg
20 25 30

Val Glu Pro Thr Gln Asp Ile Ser Ile Ser Asp Gln Leu Gly Gly Gln
35 40 45

Asp Val Pro Val Phe Arg Asn Leu Ser Leu Leu Val Val Gly Val Gly
50 55 60

Ala Val Phe Ser Leu Leu Phe His Leu Gly Thr Arg Glu Arg Arg Arg
65 70 75 80

Pro His Ala Xaa Glu Pro Gly Glu His Thr Pro Leu Leu Ala Pro Ala
85 90 95

Thr Ala Gln Pro Leu Leu Leu Trp Lys His Trp Leu Arg Glu Xaa Ala
100 105 110

Phe Tyr Gln Val Gly Ile Leu Tyr Met Thr Thr Arg Leu Ile Val Asn
115 120 125

Leu Ser Gln Thr Tyr Met Ala Met Tyr Leu Thr Tyr Ser Leu His Leu
130 135 140

Pro Lys Lys Phe Ile Ala Thr Ile Pro Leu Val Met Tyr Leu Ser Gly
145 150 155 160

Phe Leu Ser Ser Phe Leu Met Lys Pro Ile Asn Lys Cys Ile Gly Arg
165 170 175

Asn Met Thr Tyr Phe Ser Gly Leu Leu Val Ile Leu Ala Phe Ala Ala
180 185 190

Trp Val Ala Leu Ala Glu Gly Leu Gly Val Ala Val Tyr Ala Ala Ala
195 200 205

Val Leu Leu Gly Ala Gly Cys Ala Thr Ile Leu Val Thr Ser Leu Ala
210 215 220

Met Thr Ala Asp Leu Ile Gly Pro His Thr Asn Ser Gly Ala Phe Val
225 230 235 240

Tyr Gly Ser Met Ser Phe Leu Asp Lys Val Ala Asn Gly Leu Ala Val
245 250 255

Met Ala Ile Gln Ser Leu His Pro Cys Pro Ser Glu Leu Cys Cys Arg
260 265 270

Ala Cys Val Ser Phe Tyr His Trp Ala Met Val Ala Val Thr Gly Gly

275 280 285
 Val Gly Val Ala Ala Ala Leu Cys Leu Cys Ser Leu Leu Leu Trp Pro
 290 295 300
 Thr Arg Leu Arg Arg
 305

<210> 941
 <211> 243
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (26)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (84)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (111)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 941
 Ala Ala Asp Asn Tyr Gly Ile Pro Arg Ala Cys Arg Asn Ser Ala Arg
 1 5 10 15
 Ser Tyr Gly Ala Ala Trp Leu Leu Leu Xaa Pro Ala Gly Ser Ser Arg
 20 25 30
 Val Glu Pro Thr Gln Asp Ile Ser Ile Ser Asp Gln Leu Gly Gly Gln
 35 40 45
 Asp Val Pro Val Phe Arg Asn Leu Ser Leu Leu Val Val Gly Val Gly
 50 55 60
 Ala Val Phe Ser Leu Leu Phe His Leu Gly Thr Arg Glu Arg Arg Arg
 65 70 75 80
 Pro His Ala Xaa Glu Pro Gly Glu His Thr Pro Leu Leu Ala Pro Ala
 85 90 95
 Thr Ala Gln Pro Leu Leu Leu Trp Lys His Trp Leu Arg Glu Xaa Ala
 100 105 110
 Phe Tyr Gln Val Gly Ile Leu Tyr Met Thr Thr Arg Leu Ile Val Asn
 115 120 125
 Leu Ser Gln Thr Tyr Met Ala Met Tyr Leu Thr Tyr Ser Leu His Leu
 130 135 140

Pro Lys Lys Phe Ile Ala Thr Ile Pro Leu Val Met Tyr Leu Ser Gly
 145 150 155 160
 Phe Leu Ser Ser Phe Leu Met Lys Pro Ile Asn Lys Cys Ile Gly Arg
 165 170 175
 Asn Met Thr Tyr Phe Ser Gly Leu Leu Val Ile Leu Ala Phe Ala Ala
 180 185 190
 Trp Val Ala Leu Ala Glu Gly Leu Gly Val Ala Val Tyr Ala Ala Ala
 195 200 205
 Val Leu Leu Gly Ala Gly Cys Ala Thr Ile Leu Val Thr Ser Leu Ala
 210 215 220
 Met Thr Ala Asp Leu Ile Gly Pro His Thr Asn Ser Gly Leu Ser Cys
 225 230 235 240
 Thr Ala Pro

<210> 942
 <211> 148
 <212> PRT
 <213> Homo sapiens

<400> 942
 Met Ala Gly Ser Pro Leu Leu Trp Gly Pro Arg Ala Gly Gly Val Gly
 1 5 10 15
 Leu Leu Val Leu Leu Leu Leu Gly Leu Phe Arg Pro Pro Pro Aa Leu
 20 25 30
 Cys Ala Arg Pro Val Lys Glu Pro Arg Gly Leu Ser Ala Ala Ser Pro
 35 40 45
 Pro Leu Ala Arg Leu Ala Leu Leu Ala Ala Ser Gly Gly Gln Cys Pro
 50 55 60
 Glu Val Arg Arg Arg Gly Arg Cys Arg Pro Gly Ala Gly Ala Gly Ala
 65 70 75 80
 Ser Ala Gly Ala Glu Arg Gln Glu Arg Ala Arg Ala Glu Ala Gln Arg
 85 90 95
 Leu Arg Ile Ser Arg Arg Ala Ser Trp Arg Ser Cys Cys Ala Ser Gly
 100 105 110
 Ala Pro Pro Ala Thr Leu Ile Arg Leu Trp Ala Trp Thr Thr Thr Pro
 115 120 125
 Thr Arg Leu Gln Arg Ser Ser Leu Ala Leu Cys Ser Ala Pro Ala Leu
 130 135 140

Thr Leu Pro Pro
145

<210> 943
<211> 80
<212> PRT
<213> Homo sapiens

<400> 943
Met Ser Leu Ile Trp Arg Asp Val Tyr Leu Tyr Gly Cys Gly Cys Ile
1 5 10 15
Cys His Gly Arg Cys Cys Ala Gly Phe Pro Gln His Ser Arg His Val
20 25 30
Trp Arg Thr Asn Ala Gly Leu Ile Leu Pro Gly Asn Arg Val Pro Phe
35 40 45
Cys Glu Leu Glu Gly Cys Thr Arg Arg Ser Ser Tyr Trp Asn His Leu
50 55 60
Val Ile Leu Gly Gly His Trp Gly Leu His Leu Pro Cys Thr Ser Leu
65 70 75 80

<210> 944
<211> 47
<212> PRT
<213> Homo sapiens

<400> 944
Ile Leu Lys Ser Glu Pro Lys Leu Val Ser Phe Ile Asn Ile Leu Gly
1 5 10 15
Lys Glu Glu Arg Lys Lys Glu Gly Gly Arg Glu Arg Lys Lys Glu Arg
20 25 30
Lys Lys Glu Arg Lys Lys Glu Arg Lys Lys Lys Lys Lys Asn Ser
35 40 45

<210> 945
<211> 89
<212> PRT
<213> Homo sapiens

<400> 945
Met Ala Lys Arg Thr Phe Ser Asn Leu Glu Thr Phe Leu Ile Phe Leu
1 5 10 15

Leu Val Met Met Ser Ala Ile Thr Val Ala Leu Leu Ser Leu Leu Phe
 20 25 30
 Ile Thr Ser Gly Thr Ile Glu Asn His Lys Asp Leu Gly Gly His Phe
 35 40 45
 Phe Ser Thr Thr Gln Ser Pro Pro Ala Thr Gln Gly Ser Thr Ala Ala
 50 55 60
 Gln Arg Ser Thr Ala Thr Gln His Ser Thr Ala Thr Gln Ser Ser Asn
 65 70 75 80
 Ser Gln Leu Lys Leu Leu Gln Cys Leu
 85

<210> 946
 <211> 486
 <212> PRT
 <213> Homo sapiens

<400> 946
 Met Gln Pro Ser Gly Leu Glu Gly Pro Gly Thr Phe Gly Arg Trp Pro
 1 5 10 15
 Leu Leu Ser Leu Leu Leu Leu Leu Leu Leu Gln Pro Val Thr Cys
 20 25 30
 Ala Tyr Thr Thr Pro Gly Pro Pro Arg Ala Leu Thr Thr Leu Gly Ala
 35 40 45
 Pro Arg Ala His Thr Met Pro Gly Thr Tyr Ala Pro Ser Thr Thr Leu
 50 55 60
 Ser Ser Pro Ser Thr Gln Gly Leu Gln Glu Gln Ala Arg Ala Leu Met
 65 70 75 80
 Arg Asp Phe Pro Leu Val Asp Gly His Asn Asp Leu Pro Leu Val Leu
 85 90 95
 Arg Gln Val Tyr Gln Lys Gly Leu Gln Asp Val Asn Leu Arg Asn Phe
 100 105 110
 Ser Tyr Gly Gln Thr Ser Leu Asp Arg Leu Arg Asp Gly Leu Val Gly
 115 120 125
 Ala Gln Phe Trp Ser Ala Tyr Val Pro Cys Gln Thr Gln Asp Arg Asp
 130 135 140
 Ala Leu Arg Leu Thr Leu Glu Gln Ile Asp Leu Ile Arg Arg Met Cys
 145 150 155 160
 Ala Ser Tyr Ser Glu Leu Glu Leu Val Thr Ser Ala Lys Ala Leu Asn
 165 170 175
 Asp Thr Gln Lys Leu Ala Cys Leu Ile Gly Val Glu Gly Gly His Ser

180						185						190					
Leu	Asp	Asn	Ser	Leu	Ser	Ile	Leu	Arg	Thr	Phe	Tyr	Met	Leu	Gly	Val		
		195					200					205					
Arg	Tyr	Leu	Thr	Leu	Thr	His	Thr	Cys	Asn	Thr	Pro	Trp	Ala	Glu	Ser		
	210					215					220						
Ser	Ala	Lys	Gly	Val	His	Ser	Phe	Tyr	Asn	Asn	Ile	Ser	Gly	Leu	Thr		
	225				230					235					240		
Asp	Phe	Gly	Glu	Lys	Val	Val	Ala	Glu	Met	Asn	Arg	Leu	Gly	Met	Met		
				245					250					255			
Val	Asp	Leu	Ser	His	Val	Ser	Asp	Ala	Val	Ala	Arg	Arg	Ala	Leu	Glu		
			260					265					270				
Val	Ser	Gln	Ala	Pro	Val	Ile	Phe	Ser	His	Ser	Ala	Ala	Arg	Gly	Val		
		275					280					285					
Cys	Asn	Ser	Ala	Arg	Asn	Val	Pro	Asp	Asp	Ile	Leu	Gln	Leu	Leu	Lys		
	290					295					300						
Lys	Asn	Gly	Gly	Val	Val	Met	Val	Ser	Leu	Ser	Met	Gly	Val	Ile	Gln		
	305				310					315					320		
Cys	Asn	Pro	Ser	Ala	Asn	Val	Ser	Thr	Val	Ala	Asp	His	Phe	Asp	His		
				325					330					335			
Ile	Lys	Ala	Val	Ile	Gly	Ser	Lys	Phe	Ile	Gly	Ile	Gly	Gly	Asp	Tyr		
		340						345					350				
Asp	Gly	Ala	Gly	Lys	Phe	Pro	Gln	Gly	Leu	Glu	Asp	Val	Ser	Thr	Tyr		
		355					360					365					
Pro	Val	Leu	Ile	Glu	Glu	Leu	Leu	Ser	Arg	Gly	Trp	Ser	Glu	Glu	Glu		
	370					375					380						
Leu	Gln	Gly	Val	Leu	Arg	Gly	Asn	Leu	Leu	Arg	Val	Phe	Arg	Gln	Val		
	385				390					395					400		
Glu	Lys	Val	Gln	Glu	Glu	Asn	Lys	Trp	Gln	Ser	Pro	Leu	Glu	Asp	Lys		
			405						410					415			
Phe	Pro	Asp	Glu	Gln	Leu	Ser	Ser	Ser	Cys	His	Ser	Asp	Leu	Ser	Arg		
			420					425					430				
Leu	Arg	Gln	Arg	Gln	Ser	Leu	Thr	Ser	Gly	Gln	Glu	Leu	Thr	Glu	Ile		
		435					440					445					
Pro	Ile	His	Trp	Thr	Ala	Lys	Leu	Pro	Ala	Lys	Trp	Ser	Val	Ser	Glu		
	450					455					460						
Ser	Ser	Pro	His	Met	Ala	Pro	Val	Leu	Ala	Val	Val	Ala	Thr	Phe	Pro		
	465				470					475					480		
Val	Leu	Ile	Leu	Trp	Leu												

485

<210> 947
<211> 151
<212> PRT
<213> Homo sapiens

<400> 947
Met Arg Arg Leu Leu Leu Val Thr Ser Leu Val Val Val Leu Leu Trp
1 5 10 15
Glu Ala Gly Ala Val Pro Ala Pro Lys Val Pro Le Lys Met Gln Val
20 25 30
Lys His Trp Pro Ser Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg
35 40 45
Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Le Pro
50 55 60
Val Gln Lys Pro Lys Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Gln
65 70 75 80
Gly Arg Gly Pro Ile Leu Pro Gly Thr Lys Ala Trp Met Glu Thr Glu
85 90 95
Asp Thr Leu Gly Arg Val Leu Ser Pro Glu Pro Asp His Asp Ser Leu
100 105 110
Tyr His Pro Pro Pro Glu Glu Asp Gln Gly Glu Glu Arg Pro Arg Leu
115 120 125
Trp Val Met Pro Asn His Gln Val Leu Leu Gly Pro Glu Glu Asp Gln
130 135 140
Asp His Ile Tyr His Pro Gln
145 150

<210> 948
<211> 65
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (24)
<223> Xaa equals any of the naturally occurring amino acids

<400> 948
Met Cys Lys Gly Leu Lys Asn Pro Glu Gly Leu Leu Leu Leu Leu Leu
1 5 10 15
Leu Leu Leu Phe Thr Asp Thr Xaa Asn Ser His Cys Leu Pro Pro Tyr

145		150		155		160
Thr Val Val Glu Asp Val Lys Gln Tyr Phe Glu Xaa Phe Xaa Lys Val	165		170		175	
Glu Asp Ala Met Leu Met Phe Asp Lys Thr Thr Asn Arg His Arg Gly	180		185		190	
Phe Gly Phe Val Thr Phe Glu Asn Glu Asp Val Val Glu Lys Val Cys	195		200		205	
Glu Ile His Phe His Glu Ile Asn Asn Lys Met Val Gln Cys Lys Lys	210		215		220	
Ala Gln Pro Lys Glu Val Met Phe Pro Pro Gly Thr Arg Gly Arg Ala	225		230		235	240
Arg Gly Leu Pro Tyr Thr Met Asp Ala Phe Met Leu Gly Met Gly Met	245		250		255	
Leu Gly Glu Ser Gly Gln Asp Arg Arg Ser Pro Trp Thr Gly Arg Ala	260		265		270	
Met Glu Ala Ser Thr Pro Asn Trp Val Thr Tyr Gln Trp Gly Lys Leu	275		280		285	
Leu His Leu Ser Lys Pro Gln Phe Pro Cys Leu	290		295			

<210> 950
 <211> 488
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (344)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (416)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (429)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (430)
 <223> Xaa equals any of the naturally occurring L-amino acids

<400> 950

Met Ile Leu Ser Leu Leu Phe Ser Leu Gly Gly Pro Leu Gly Trp Gly
1 5 10 15
Leu Leu Gly Ala Trp Ala Gln Ala Ser Ser Thr SerLeu Ser Asp Leu
20 25 30
Gln Ser Ser Arg Thr Pro Gly Val Trp Lys Ala Glu Ala Glu Asp Thr
35 40 45
Ser Lys Asp Pro Val Gly Arg Asn Trp Cys Pro Tyr Pro Met SerLys
50 55 60
Leu Val Thr Leu Leu Ala Leu Cys Lys Thr Glu Lys Phe Leu Ile His
65 70 75 80
Ser Gln Gln Pro Cys Pro Gln Gly Ala Pro Asp Cys Gln Lys Val Lys
85 90 95
Val Met Tyr Arg Met Ala His Lys Pro Val Tyr Gln Val Lys Gln Lys
100 105 110
Val Leu Thr Ser Leu Ala Trp Arg Cys Cys Pro Gly Tyr Thr Gly Pro
115 120 125
Asn Cys Glu His His Asp Ser Met Ala Ile Pro Glu Pro Ala Asp Pro
130 135 140
Gly Asp Ser His Gln Glu Pro Gln Asp Gly Pro Val Ser Phe Lys Pro
145 150 155 160
Gly His Leu Ala Ala Val Ile Asn Glu Val Glu Val Gln Gln Glu Gln
165 170 175
Gln Glu His Leu Leu Gly Asp Leu Gln Asn Asp Val His Arg Val Ala
180 185 190
Asp Ser Leu Pro Gly Leu Trp Lys Ala Leu Pro Gly Asn Leu Thr Ala
195 200 205
Ala Val Met Glu Ala Asn Gln Thr Gly His Glu Phe Pro Asp Arg Ser
210 215 220
Leu Glu Gln Val Leu Leu Pro His Val Asp Thr Phe Leu Gln Val His
225 230 235 240
Phe Ser Pro Ile Trp Arg Ser Phe Asn Gln Ser Leu His Ser Leu Thr
245 250 255
Gln Ala Ile Arg Asn Leu Ser Leu Asp Val Glu Ala Asn Arg Gln Ala
260 265 270
Ile Ser Arg Val Gln Asp Ser Ala Val Ala Arg Ala Asp Phe Gln Glu
275 280 285
Leu Gly Ala Lys Phe Glu Ala Lys Val Gln Glu Asn Thr Gln Arg Val
290 295 300

Gly Gln Leu Arg Gln Asp Val Glu Glu Arg Leu His Ala Gln His Phe
 305 310 315 320
 Thr Leu His Arg Ser Ile Ser Glu Leu Gln Ala Asp Val Asp Thr Lys
 325 330 335
 Leu Lys Arg Leu His Lys Ala Xaa Glu Ala Pro Gly Thr Asn Gly Ser
 340 345 350
 Leu Val Leu Ala Thr Pro Gly Ala Gly Ala Arg Pro Glu Pro Asp Ser
 355 360 365
 Leu Gln Ala Arg Leu Gly Gln Leu Gln Arg Asn Leu Ser Glu Leu His
 370 375 380
 Met Thr Thr Ala Arg Arg Glu Glu Glu Leu Gln Tyr Thr Leu Glu Asp
 385 390 395 400
 Met Arg Ala Thr Leu Thr Arg His Val Asp Glu Ile Lys Glu Leu Xaa
 405 410 415
 Ser Glu Ser Asp Glu Thr Phe Asp Gln Ile Ser Lys Xaa Xaa Arg Gln
 420 425 430
 Val Glu Glu Leu Gln Val Asn His Thr Ala Leu Arg Glu Leu Arg Val
 435 440 445
 Ile Leu Met Glu Lys Ser Leu Ile Met Glu Glu Asn Lys Glu Glu Val
 450 455 460
 Glu Arg Gln Leu Leu Glu Leu Asn Leu Thr Leu Gln His Leu Gln Gly
 465 470 475 480
 Gly Met Pro Thr Ser Ser Ser Thr
 485

<210> 951
 <211> 60
 <212> PRT
 <213> Homo sapiens

<400> 951
 Met Ile Arg Ile Gln Phe Leu His Leu Phe Leu Trp Val Gly Phe Ile
 1 5 10 15
 Phe Arg Gln Pro Pro Ser Ser Tyr Pro Gln Asp Gly Arg Asp Ser Pro
 20 25 30
 Trp Ser Phe Pro Cys Arg Asp Arg Ser Pro Gly Asn Asn Thr Ser Ile
 35 40 45
 Pro Ser His Glu Thr Val Leu Asn Phe Ile Leu Thr
 50 55 60

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<210> 952
<211> 306
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (171)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (180)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (182)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (188)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (208)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (210)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (211)
<223> Xaa equals any of the naturally occurringL-amino acids

<220>
<221> SITE
<222> (218)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (219)
<223> Xaa equals any of the naturally occurring amino acids

<400> 952
Met Ala Leu Arg Leu Leu Arg Arg Ala Ala Arg Gly Ala Ala Ala Ala
 1           5           10          15

Ala Leu Leu Arg Leu Lys Ala Ser Leu Ala Ala Asp Ile Pro Arg Leu
      20           25           30

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Gly Tyr Ser Ser Ser Ser His His Lys Tyr Ile Pro Arg Arg Ala Val
 35 40 45
 Leu Tyr Val Pro Gly Asn Asp Glu Lys Lys Ile Lys Lys Ile Pro Ser
 50 55 60
 Leu Asn Val Asp Cys Ala Val Leu Asp Cys Glu Asp Gly Val Asn Ala
 65 70 75 80
 Asn Lys Lys Asn Glu Ala Arg Leu Arg Ile Val Lys Thr Leu Glu Asp
 85 90 95
 Ile Asp Leu Gly Pro Thr Glu Lys Cys Val Arg Val Asn Ser Val Ser
 100 105 110
 Ser Gly Leu Ala Glu Glu Asp Leu Glu Thr Leu Leu Gln Ser Arg Val
 115 120 125
 Leu Pro Ser Ser Leu Met Leu Pro Lys Val Glu Ser Pro Glu Glu Ile
 130 135 140
 Gln Trp Ala Val Cys Glu Glu Thr Leu Lys Val Gly Pro Gln Val Gly
 145 150 155 160
 Leu Phe Leu Asp Ala Val Arg Phe Trp Arg Xaa Arg Leu Ser Ser His
 165 170 175
 Ile Gly Ala Xaa Ser Xaa Lys Glu Thr Leu Asp Xaa Leu Tyr Ala Arg
 180 185 190
 Gln Lys Ile Val Val Ile Ala Lys Ala Phe Gly Leu Gln Ala Val Xaa
 195 200 205
 Leu Xaa Xaa Ile Asp Phe Arg Asp Gly Xaa Xaa Leu Leu Arg Gln Ser
 210 215 220
 Arg Glu Gly Ala Ala Met Gly Phe Thr Gly Lys Gln Val Ile His Pro
 225 230 235 240
 Asn Gln Ile Ala Val Val Gln Glu Gln Phe Ser Pro Ser Pro Glu Lys
 245 250 255
 Ile Lys Trp Ala Glu Glu Leu Ile Ala Ala Phe Lys Glu His Gln Gln
 260 265 270
 Leu Gly Lys Gly Ala Phe Thr Phe Gln Gly Ser Met Ile Asp Met Pro
 275 280 285
 Leu Leu Lys Gln Ala Gln Asn Thr Val Thr Leu Ala Thr Ser Ile Lys
 290 295 300
 Glu Lys
 305

<210> 953
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 953
 Met Ser Gly Ser Ser Leu Pro Ser Ala Leu Ala Leu Ser Leu Leu Leu
 1 5 10 15
 Val Ser Gly Ser Leu Leu Pro Gly Pro Gly Ala Ala Gln Asn Val Arg
 20 25 30
 Val Gln Ser Gly Gln Asp Gln Lys
 35 40

<210> 954
 <211> 64
 <212> PRT
 <213> Homo sapiens

<400> 954
 Met Val Ser Pro Leu Ile Ser Ala Leu Phe His Val Pro Phe Leu Trp
 1 5 10 15
 Leu Gly Met Phe Phe Pro His Ser Leu Ser Gly Pro Phe Pro Ser His
 20 25 30
 Leu Arg Arg Ala Ser Ser Ser Arg Lys Pro Leu Val Lys Pro Pro Arg
 35 40 45
 Ala Arg Gln Tyr Pro Pro Leu Ala Ser Ser Gly Tyr Arg Gly Arg Ile
 50 55 60

<210> 955
 <211> 26
 <212> PRT
 <213> Homo sapiens

<400> 955
 Met Ser Phe Pro His Ala Ser Thr Leu Pro Phe His Lys Leu Ser Asp
 1 5 10 15
 Leu Gln His Thr Leu Pro Asn His Gln Gly
 20 25

<210> 956
 <211> 50
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (4)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (10)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (22)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (35)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (39)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (42)

<223> Xaa equals any of the naturally occurring amino acids

<400> 956

Val	His	Ala	Xaa	Thr	Pro	Phe	Ala	Gly	Xaa	Cys	Phe	Asp	Pro	Val	Ser
1				5				10						15	

Leu	Tyr	Trp	Cys	Tyr	Xaa	Asn	Pro	Gly	Thr	His	Cys	Tyr	Pro	Thr	Leu
			20					25					30		

Arg	Gly	Xaa	Glu	Gln	Arg	Xaa	Pro	Ser	Xaa	Arg	Ser	His	Ile	Val	Leu
		35					40					45			

Arg	Ser
	50

<210> 957

<211> 103

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (77)

<223> Xaa equals any of the naturally occurring amino acids

<400> 957

Met Ala Phe Leu Leu Glu Arg Ser Gly Thr Leu Leu Ile Cys Ser Met
1 5 10 15

Trp Trp His His Gly Tyr Ser Asn Ile Thr Gly Thr Glu Gly Glu Arg
20 25 30

Arg Asn Leu Lys Arg Asn Lys Thr Asn Phe Arg Arg Phe Gln Asp Gly
35 40 45

Arg Ile Gly Thr Ala Pro Val Tyr Ser Ser Gln Cys Glu Arg Cys Arg
50 55 60

Arg Trp Val Ile Ser Ala Phe Pro Thr Glu Gln Thr Xaa His Gln Lys
65 70 75 80

Ile Ile Ser His Ala Trp Leu Gly Gly Ser His Ala His Gly Ala Ser
85 90 95

Leu Ile Ala Ser Thr Ala Val
100

<210> 958

<211> 103

<212> PRT

<213> Homo sapiens

<400> 958

Met Leu Thr Phe Phe Met Ala Phe Leu Phe Asn Trp Ile Gly Phe Phe
1 5 10 15

Leu Ser Phe Cys Leu Thr Thr Ser Ala Ala Gly Arg Tyr Gly Ala Ile
20 25 30

Ser Gly Phe Gly Leu Ser Leu Ile Lys Trp Ile Leu Ile Val Arg Phe
35 40 45

Ser Thr Tyr Phe Pro Gly Tyr Phe Asp Gly Gln Tyr Trp Leu Trp Trp
50 55 60

Val Phe Leu Val Leu Gly Phe Leu Leu Phe Leu Arg Gly Phe Ile Asn
65 70 75 80

Tyr Ala Lys Val Arg Lys Met Pro Glu Thr Phe Ser Asn Leu Pro Arg
85 90 95

Thr Arg Val Leu Phe Ile Tyr
100

<210> 959

<211> 198

<212> PRT

<213> Homo sapiens

<220>
 <221> SITE
 <222> (29)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 959
 Met Lys Lys Ser Leu Glu Asn Leu Asn Arg Leu Gln Val Met LeuLeu
 1 5 10 15
 His Leu Thr Ala Ala Phe Leu Gln Arg Ala Gln His Xaa Phe Asp Tyr
 20 25 30
 Lys Asp Glu Ser Gly Phe Pro Lys Pro Pro Ser Tyr Asn Val Ala Thr
 35 40 45
 Thr Leu Pro Ser Tyr Asp Glu Ala Glu Arg Thr Lys Ala Glu Ala Thr
 50 55 60
 Ile Pro Leu Val Pro Gly Arg Asp Glu Asp Phe Val Gly Arg Asp Asp
 65 70 75 80
 Phe Asp Asp Ala Asp Gln Leu Arg Ile Gly Asn Asp Gly Ile Phe Met
 85 90 95
 Leu Thr Phe Phe Met Ala Phe Leu Phe Asn Trp Ile Gly Phe Phe Leu
 100 105 110
 Ser Phe Cys Leu Thr Thr Ser Ala Ala Gly Arg Tyr Gly Ala Ile Ser
 115 120 125
 Gly Phe Gly Leu Ser Leu Ile Lys Trp Ile Leu Ile Val Arg Phe Ser
 130 135 140
 Thr Tyr Phe Pro Gly Tyr Phe Asp Gly Gln Tyr Trp Leu Trp Trp Val
 145 150 155 160
 Phe Leu Val Leu Gly Phe Leu Leu Phe Leu Arg Gly Phe Ile Asn Tyr
 165 170 175
 Ala Lys Val Arg Lys Met Pro Glu Thr Phe Ser Asn Leu Pro Arg Thr
 180 185 190
 Arg Val Leu Phe Ile Tyr
 195

<210> 960
 <211> 106
 <212> PRT
 <213> Homo sapiens

 <220>
 <221> SITE
 <222> (3)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 960
Met Ala Xaa Ala Leu Ala Ala Leu Ala Ala Val Glu Pro Ala Cys Ala
1 5 10 15
Ala Gly Thr Ser Ser Cys Arg Met Lys Lys Ser Leu Glu Asn Leu Asn
20 25 30
Arg Leu Gln Val Met Leu Leu His Leu Thr Ala Ala Phe Leu Gln Arg
35 40 45
Ala Gln Phe Ser Thr Tyr Phe Pro Gly Ty Phe Asp Gly Gln Tyr Trp
50 55 60
Leu Trp Trp Val Phe Leu Val Leu Gly Phe Leu Leu Phe Leu Arg Gly
65 70 75 80
Phe Ile Asn Tyr Ala Lys Val Arg Lys Met Pro Gln Thr Phe Ser Asn
85 90 95
Leu Pro Arg Thr Arg Val Leu Phe Ile Tyr
100 105

<210> 961
<211> 68
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (51)
<223> Xaa equals any of the naturally occurring amino acids

<400> 961
Met Ala Xaa Ala Leu Ala Ala Leu Ala Ala Ala Arg Ala Ala Cys Xaa
1 5 10 15
Ala Gly Thr Ser Ser Cys Arg Met Lys Lys Ser Leu Glu Asn Leu Asn
20 25 30
Arg Leu Gln Val Met Leu Leu His Leu Thr Ala Ala Phe Leu Gln Arg
35 40 45
Ala His Xaa Ile Leu Thr Thr Arg Met Ser Leu Gly Phe Gln Ser Pro
50 55 60

His Leu Thr Met
65

<210> 962
<211> 23
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (3)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (13)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (16)
<223> Xaa equals any of the naturally occurring amino acids

<400> 962
Met Ala Xaa Ala Leu Ala Ala Leu Ala Ala Val Glu Xaa Pro Ala Xaa
1 5 10 15

Pro Val Pro Ala Val Ala Glu
20

<210> 963
<211> 188
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (85)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (104)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (164)
<223> Xaa equals any of the naturally occurring amino acids

<400> 963
Met Arg Pro Ala Phe Ala Leu Cys Leu Leu Trp Gln Ala Leu Trp Pro

1		5		10		5									
Gly	Pro	Gly	Gly	Gly	Glu	His	Pro	Thr	Ala	Asp	Arg	Ala	Gly	Cys	Ser
		20						25					30		
Ala	Ser	Gly	Ala	Cys	Tyr	Ser	Leu	His	His	Ala	Thr	Met	Lys	Arg	Gln
		35					40					45			
Ala	Ala	Glu	Glu	Ala	Cys	Ile	Leu	Arg	Gly	Gly	Ala	Leu	Ser	Thr	Val
	50					55					60				
Arg	Ala	Gly	Ala	Glu	Leu	Arg	Ala	Val	Leu	Ala	Leu	Leu	Arg	Ala	Gly
65					70					75					80
Pro	Gly	Pro	Gly	Xaa	Gly	Ser	Lys	Asp	Leu	Leu	Phe	Trp	Val	Ala	Leu
				85					90						95
Glu	Arg	Arg	Arg	Ser	His	Cys	Xaa	Leu	Glu	Asn	Glu	Pro	Leu	Arg	Gly
			100					105					110		
Phe	Ser	Trp	Leu	Ser	Ser	Asp	Pro	Gly	Gly	Leu	Glu	Ser	Asp	Thr	Leu
	115						120					125			
Gln	Trp	Val	Glu	Glu	Pro	Gln	Arg	Ser	Cys	Thr	Ala	Arg	Arg	Trp	Val
	130					135					140				
Leu	Pro	Gly	His	Arg	Trp	Gly	Arg	Ala	Arg	Ser	Trp	Lys	Glu	Met	Arg
145					150				155						160
Cys	His	Leu	Xaa	Ala	Asn	Ala	Thr	Cys	Ala	Ser	Thr	Ser	Leu	Arg	Ser
			165					170						175	
Cys	Val	Leu	Arg	Arg	Ala	Pro	Gly	Pro	Pro	Leu	Thr				
			180					185							

<210> 964
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 964															
Met	Leu	Glu	Thr	Leu	Ser	Gln	Phe	Ile	Ser	Ile	Leu	Phe	Val	Leu	Leu
1				5					10					15	
Trp	Ile	Ile	Ser	Asp	Leu	Ile	Leu	Cys	Phe	Leu	Lys	Cys	Gly	Asn	Pro
			20					25					30		
Gly	Thr	Leu	Asp	Met	Val	Leu	Pro	Ile	Trp	Thr	Asn	Gln	Tyr	Ile	His
		35					40					45			
Ser	Ser	Arg	Ser	Ile	Leu	Ser	Phe	Ile							
	50					55									

<210> 965
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 965
 Met Leu Cys Val Cys Val Leu Trp Met Phe Thr Val Pro Gly Ser Arg
 1 5 10 15
 Lys Asp Val Gly Glu Ala Ala Pro Ala Ser Gly Thr Gly Gln Glu Cys
 20 25 30
 Arg Met His Gly Ser Trp Ser Gly Arg Ser Leu Gly
 35 40

<210> 966
 <211> 44
 <212> PRT
 <213> Homo sapiens

<400> 966
 Met Leu Cys Val Cys Val Leu Trp Met Phe Thr Val Pro Gly Ser Arg
 1 5 10 15
 Lys Asp Val Gly Glu Ala Ala Pro Ala Ser Gly Thr Gly Gln Glu Cys
 20 25 30
 Arg Met His Gly Ser Trp Ser Gly Arg Ser Leu Gly
 35 40

<210> 967
 <211> 57
 <212> PRT
 <213> Homo sapiens

<400> 967
 Met Pro Pro His Arg Gln Thr Asp Gly Gln Met Gly Leu Pro Ala Pro
 1 5 10 15
 Ala Leu Trp Val Trp Gly Leu Leu Leu Ser Ser Ser Phe Gln Thr Leu
 20 25 30
 Leu Pro Ala Phe Pro Lys Pro Pro Ala Leu Asn Leu Gly Cys Ser Thr
 35 40 45
 Arg Pro Ile Pro Ser Phe Leu Lys Ile
 50 55

<210> 968
 <211> 93
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (24)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (65)

<223> Xaa equals any of the naturally occurring amino acids

<400> 968

Gln Val Ser Leu Pro Thr Arg Leu Leu Gln Met Pro Gly Met Gly Leu
1 5 10 15

Asp Ser Arg Phe Gln Ala Trp Xaa Pro Ser Pro Tyr Leu Gly Pro Gln
20 25 30

Pro Arg Ala Pro Arg Pro Gly Leu Gln Pro Gly Pro Ser Leu Arg Gly
35 40 45

Ala Glu Phe Arg Glu Ser Cys Pro Arg Ser Gln Lys Arg Gly Arg Glu
50 55 60

Xaa Gly Arg Pro Cys Pro Gly Cys Arg Pro Gly Gly Trp Gly Leu Pro
65 70 75 80

Ala Arg Leu Gly Gln Pro Gln Leu Gln Thr Gly Pro Gln
85 90

<210> 969

<211> 172

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (170)

<223> Xaa equals any of the naturally occurring amino acids

<400> 969

Met Arg Gly Ser Val Glu Cys Thr Trp Gly Trp Gly His Cys Ala Pro
1 5 10 15

Ser Pro Leu Leu Leu Trp Thr Leu Leu Leu Phe Ala Ala Pro Phe Gly
20 25 30

Leu Leu Gly Glu Lys Thr Arg Gln Leu Leu Glu He Asp Ser Thr Asn
35 40 45

Val Ser Asp Thr Ala Ala Lys Pro Leu Gly Arg Pro Tyr Pro Pro Tyr
50 55 60

Ser Leu Ala Asp Phe Ser Trp Asn Asn Ile Thr Asp Ser Leu Asp Pro

65		70		75		80
Ala Thr Leu Ser	Ala Thr Phe Gln Gly His	Pro Met Asn Asp	Pro Thr			
	85	90	95			
Arg Thr Phe Ala Asn Gly Ser Leu Ala Phe Arg Val Gln Ala Phe						
	100	105	110			
Arg Ser Ser Arg Pro Ala Gln Pro Pro Arg Leu Leu His Thr Ala Asp						
	115	120	125			
Thr Cys Gln Leu Glu Val Ala Leu Ile Gly Ala Ser Pro Arg Gly Asn						
	130	135	140			
Arg Ser Leu Phe Gly Leu Glu Val Ala Thr Leu Gly Gln Gly Pro Asp						
	145	150	155			160
Cys Pro Ser Met Gln Glu Gln His Ser Xaa Glu Arg						
	165	170				

<210> 970
 <211> 131
 <212> PRT
 <213> Homo sapiens

<400> 970
Met Arg Gly Ser Val Glu Cys Thr Trp Gly Trp Gly His Cys Ala Pro
1 5 10 15
Ser Pro Leu Leu Leu Trp Thr Leu Leu Leu Phe Ala Ala Pro Phe Gly
20 25 30
Leu Leu Gly Glu Lys Thr Arg Gln Leu Leu Glu Phe Asp Ser Thr Asn
35 40 45
Val Ser Asp Thr Ala Ala Lys Pro Leu Gly Arg Pro Tyr Pro Phe Tyr
50 55 60
Ser Leu Ala Asp Phe Ser Trp Asn Asn Ile Thr Asp Ser Leu Asp Pro
65 70 75 80
Ala Thr Leu Ser Ala Thr Phe Gln Gly His Pro Met Asn Asp Pro Thr
85 90 95
Arg Thr Phe Ala Asn Gly Ser Leu Ala Phe Arg Ser Arg Pro Phe Pro
100 105 110
Gly Pro Ala Asp Gln Pro Asn Pro Leu Ala Ser Cys Thr Gln Gln Thr
115 120 125
Pro Val Ser
130

<210> 971
 <211> 121
 <212> PRT
 <213> Homo sapiens

<400> 971
 Met Cys Phe Leu Met Ile Phe Thr Phe Leu Val Cys Trp Met Pro Tyr
 1 5 10 15
 Ile Val Ile Cys Phe Leu Val Val Asn Gly His Gly His Leu Val Thr
 20 25 30
 Pro Thr Ile Ser Ile Val Ser Tyr Leu Phe Ala Lys Ser Asn Thr Val
 35 40 45
 Tyr Asn Pro Val Ile Tyr Val Phe Met Ile Arg Lys Phe Arg Arg Ser
 50 55 60
 Leu Leu Gln Leu Leu Cys Leu Arg Leu Leu Arg Cys Gln Arg Pro Ala
 65 70 75 80
 Lys Asp Leu Pro Ala Ala Gly Ser Glu Met Gln Ile Arg Pro Ile Val
 85 90 95
 Met Ser Gln Lys Asp Gly Asp Arg Pro Lys Lys Ser Asp Phe Gln Leu
 100 105 110
 Phe Phe His His Phe Tyr His His Gln
 115 120

<210> 972
 <211> 49
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 972
 Met Gly Ala His Ser Phe Gly Phe Gln Leu Phe Met Ser Val Ser Val
 1 5 10 15
 Leu Trp Gly Arg Leu Cys Leu Tyr Gly Arg Phe Ser Val Ile Thr Phe
 20 25 30
 Ala Ser Pro Pro Thr Thr Phe Met Xaa Ile Gln Cys Cys Ser His Cys
 35 40 45
 Ser

<210> 973
 <211> 148
 <212> PRT
 <213> Homo sapiens

<400> 973
 Met Val Trp Phe Ser Cys Trp Leu Leu Thr Gln Ser Ile Thr Val Ile
 1 5 10 15
 Leu Gly Ala Arg Gly Arg Tyr Gly Arg Leu Cys Val Leu Gln Gly Arg
 20 25 30
 His Cys Gly Leu Val Asp Lys Ser Gly Ser Pro Asn Pro Phe Ser Ala
 35 40 45
 Asp Val Leu Ala Val His Ser Gly Gln Val Ser His Ser Pro Glu Pro
 50 55 60
 Gln Arg Leu Tyr Gln Tyr Asp Glu Asn Lys Tyr Ser Thr Cys Leu Pro
 65 70 75 80
 His Gly Val Val Ser Ala Val Asn Glu Ile Met Tyr Met Lys His Leu
 85 90 95
 Val Tyr Leu Ala Pro Asn Lys Ser Ser Thr Thr Ser Ser Leu Ile Thr
 100 105 110
 Asn Lys Met Glu Leu Glu Gly Cys Ile Ser Leu Asn Lys Ile Leu Arg
 115 120 125
 Gln Ile Leu Gly Val Pro Val Phe Ile Leu Gln Leu Glu Ser Pro Pro
 130 135 140
 Ser Leu Phe Gly
 145

<210> 974
 <211> 484
 <212> PRT
 <213> Homo sapiens

<400> 974
 Met Pro Arg His Leu Ser Gly Leu Leu Leu Leu Trp Pro Leu Leu
 1 5 10 15
 Leu Leu Leu Pro Pro Thr Pro Ala Ah Pro Gly Pro Leu Ala Arg Pro
 20 25 30
 Gly Leu Arg Arg Leu Gly Thr Arg Gly Pro Gly Gly Ser Pro Gly Arg
 35 40 45
 Arg Pro Gly Ser Ala Val Pro Thr Arg Ala Pro Ty Ser Gly Ala Gly
 50 55 60
 Gln Pro Gly Gly Ala Arg Gly Ala Gly Val Cys Arg Ser Arg Pro Leu

65		70		75		80									
Asp	Leu	Val	Phe	Ile	Ile	Asp	Ser	Ser	Arg	Ser	Val	Arg	Pro	Leu	Glu
				85					90					95	
Phe	Thr	Lys	Val	Lys	Thr	Phe	Val	Ser	Gln	Ile	Ile	Asp	Thr	Leu	Asp
			100					105					110		
Ile	Gly	Ala	Ala	Asp	Thr	Arg	Val	Ala	Val	Val	Asn	Tyr	Ala	Ser	Thr
		115					120					125			
Val	Lys	Ile	Glu	Phe	His	Leu	Gln	Thr	His	Ser	Asp	Lys	Gln	Ser	Leu
	130					135					140				
Lys	Gln	Ala	Val	Ala	Arg	Ile	Thr	Pro	Leu	Ser	Thr	Gly	Thr	Met	Ser
145					150					155					160
Gly	Leu	Ala	Ile	Gln	Thr	Ala	Met	Asp	Glu	Ala	Phe	Thr	Val	Glu	Ala
				165					170					175	
Gly	Ala	Arg	Gly	Pro	Thr	Ser	Asn	Ile	Pro	Lys	Val	Ala	Ile	Ile	Val
			180					185					190		
Thr	Asp	Gly	Arg	Pro	Gln	Asp	Gln	Val	Asn	Glu	Val	Ala	Ala	Arg	Ala
		195					200					205			
Arg	Ala	Ser	Gly	Ile	Glu	Leu	Tyr	Ala	Val	Gly	Val	Asp	Arg	Ala	Asp
	210					215					220				
Met	Glu	Ser	Leu	Lys	Met	Met	Ala	Ser	Glu	Pro	Leu	Asp	Glu	His	Val
225				230						235					240
Phe	Tyr	Val	Glu	Thr	Tyr	Gly	Val	Ile	Glu	Lys	Leu	Ser	Ser	Arg	Phe
				245					250					255	
Gln	Glu	Thr	Phe	Cys	Ala	Leu	Asp	Pro	Cys	Val	Leu	Gly	Thr	His	Arg
			260					265					270		
Cys	Gln	His	Val	Cys	Val	Ser	Asp	Gly	Glu	Gly	Lys	His	His	Cys	Glu
		275					280					285			
Cys	Ser	Gln	Gly	Tyr	Ser	Leu	Asn	Ala	Asp	Gln	Lys	Thr	Cys	Ser	Ala
	290					295					300				
Ile	Asp	Lys	Cys	Ala	Leu	Asn	Thr	His	Gly	Cys	Glu	His	Ile	Cys	Val
305					310					315					320
Asn	Asp	Arg	Thr	Gly	Ser	Tyr	His	Cys	Glu	Cys	Tyr	Glu	Gly	Tyr	Thr
				325					330					335	
Leu	Asn	Gln	Asp	Arg	Lys	Thr	Cys	Ser	Ala	Gln	Asp	Gln	Cys	Ala	Phe
			340					345					350		
Gly	Thr	His	Gly	Cys	Gln	His	Ile	Cys	Val	Asn	Asp	Arg	Asp	Gly	Ser
		355					360					365			
His	His	Cys	Glu	Cys	Tyr	Glu	Gly	Tyr	Thr	Leu	Asn	Ala	Asp	Asn	Lys

370		375		380
Thr Cys Ser Val Arg	Ser Glu Cys Ala Gly	Gly Ser His Gly Cys Gln		
385	390	395		400
His Leu Cys Val Asp	Asp Gly Pro Ala Ala Tyr His Cys Asp Cys Phe			
	405	410		415
Pro Gly Tyr Thr Leu Thr Glu Asp Arg Arg Thr Cys Ala Ala Ile Glu				
	420	425		430
Glu Ala Arg Arg Leu Val Ser Thr Glu Asp Ala Cys Gly Cys Glu Ala				
	435	440		445
Thr Leu Ala Phe Gln Glu Arg Ala Ser Ser Tyr Leu Gln Arg Leu Asn				
	450	455		460
Ala Lys Leu Asp Asp Ile Leu Gly Lys Leu Gln Ala Asp Ala Tyr Gly				
	465	470		475
				480
Gln Ile His Arg				

<210> 975

<211> 266

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (45)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (47)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (51)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (134)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (183)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (222)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (224)
 <223> Xaa equals any of the naturally occurring amino acids

 <220>
 <221> SITE
 <222> (255)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 975
 Met Pro Arg His Leu Ser Gly Leu Leu Leu Leu Trp Pro Leu Leu
 1 5 10 15

 Leu Leu Leu Pro Pro Thr Pro Ala Ala Pro Gly Pro Leu Ala Arg Pro
 20 25 30

 Gly Leu Arg Arg Leu Gly Thr Arg Gly Pro Gly Gly Xaa Pro Xaa Arg
 35 40 45

 Arg Pro Xaa Ser Ala Val Pro Thr Arg Ala Pro Tyr Ser Gly Ala Gly
 50 55 60

 Gln Pro Gly Gly Ala Arg Gly Ala Gly Val Cys Arg Ser Arg Pro Leu
 65 70 75 80

 Asp Leu Val Phe Ile Ile Asp Ser Ser Arg Ser Val Arg Pro Leu Glu
 85 90 95

 Phe Thr Lys Val Lys Thr Phe Val Ser Gln Ile Ile Asp Thr Leu Asp
 100 105 110

 Ile Gly Ala Ala Asp Thr Arg Val Ala Val Val Asn Tyr Ala Ser Thr
 115 120 125

 Val Lys Ile Glu Phe Xaa Leu Gln Thr His Ser Asp Lys Gln Ser Leu
 130 135 140

 Lys Gln Ala Val Ala Arg Ile Thr Pro Leu Ser Thr Gly Thr Met Ser
 145 150 155 160

 Gly Leu Ala Ile Gln Thr Ala Met Asp Glu Ala Phe Thr Val Glu Ala
 165 170 175

 Gly Ala Arg Gly Pro Thr Xaa Asn Ile Pro Lys Val Ala Ile Ile Val
 180 185 190

 Thr Asp Gly Arg Pro Gln Asp Gln Val Asn Glu Val Ala Ala Arg Ala
 195 200 205

 Arg Ala Ser Gly Ile Glu Leu Tyr Ala Val Gly Val Asp Xaa Ala Xaa
 210 215 220

 Met Glu Ser Leu Gln Asp Glu Trp Pro Ala Lys Pro Leu Asp Glu His

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (86)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (100)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 978
 Met Gln Pro Pro Ser Leu Leu Leu Leu Val Leu Gly Leu Leu Ala Ala
 1 5 10 15
 Pro Ala Ala Ala Leu Val Arg Ile Pro Leu His Lys Phe Thr Ser Val
 20 25 30
 Arg Arg Thr Met Ser Glu Leu Gly Gly Pro Val Glu Asp Leu Ile Ala
 35 40 45
 Arg Xaa Pro Ile Ser Lys Tyr Ala Gln Gly Val Pro Ser Val Ala Gly
 50 55 60
 Gly Pro Val Pro Glu Xaa Leu Lys Glu Thr Thr Trp Asn Ala Gln Ile
 65 70 75 80
 Leu Arg Gly Lys Phe Xaa His Pro Gly Thr Pro Pro Arg Lys Leu Leu
 85 90 95
 Pro Pro Val Xaa Pro Phe Glu Lys Arg Gly Ser Phe Pro Thr Leu Leu
 100 105 110
 Gly Ser Pro
 115

<210> 979
 <211> 92
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (43)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (69)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (70)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 979
 Leu Val Val Leu Gly Val Cys Ala Ala Gln His Glu Leu Thr Pro Arg
 1 5 10 15
 Leu Arg Ala Gly Val Pro Val Gln Val Glu Arg Glu Asp Val LeuLeu
 20 25 30
 His Gln Leu Leu Leu His Gln Val Ile Lys Xaa Gly Lys His Ile Val
 35 40 45
 Asp Arg Asp Ala Gly Val Gly His Ala Gln Asp Ala Val Glu Leu Gly
 50 55 60
 Arg Asp Glu Gly Xaa Xaa Arg Leu Leu Gly Gly Phe Pro Glu Arg Leu
 65 70 75 80
 Pro Leu His Leu Asp Ala Ser Gln Ala Arg Gln Thr
 85 90

<210> 980
 <211> 368
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (310)
 <223> Xaa equals any of the naturally occurring amino acids

<220>
 <221> SITE
 <222> (365)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 980
 Met Gln Pro Ser Ser Leu Leu Pro Leu Ala Leu Cys Leu Leu Ala Ala
 1 5 10 15
 Pro Ala Ser Ala Leu Val Arg Ile Pro Leu His Lys Phe Thr Ser Ile
 20 25 30
 Arg Arg Thr Met Ser Glu Val Gly Gly Ser Val Glu Asp Leu Ile Ala
 35 40 45
 Lys Gly Pro Val Ser Lys Tyr Ser Gln Ala Val Pro Ala Val Thr Glu
 50 55 60
 Gly Pro Ile Pro Glu Val Leu Lys Asn Tyr Met Asp Ala Gln Tyr Tyr
 65 70 75 80

Gly Glu Ile Gly Ile Gly Thr Pro Pro Gln Cys Phe Thr Val Val Phe
 85 90 95
 Asp Thr Gly Ser Ser Asn Leu Trp Val Pro Ser Ile His Cys Lys Leu
 100 105 110
 Leu Asp Ile Ala Cys Trp Ile His His Lys Tyr Asn Ser Asp Lys Ser
 115 120 125
 Ser Thr Tyr Val Lys Asn Gly Thr Ser Phe Asp Ile His Tyr Gly Ser
 130 135 140
 Gly Ser Leu Ser Gly Tyr Leu Ser Gln Asp Thr Val Ser Val Pro Cys
 145 150 155 160
 Gln Ser Ala Ser Ser Ala Ser Ala Leu Gly Gly Val Lys Val Glu Arg
 165 170 175
 Gln Val Phe Gly Glu Ala Thr Lys Gln Pro Gly Ile Thr Phe Ile Ala
 180 185 190
 Ala Lys Phe Asp Gly Ile Leu Gly Met Ala Tyr Pro Arg Ile Ser Val
 195 200 205
 Asn Asn Val Leu Pro Val Phe Asp Asn Leu Met Gln Gln Lys Leu Val
 210 215 220
 Asp Gln Asn Ile Phe Ser Phe Tyr Leu Ser Arg Asp Pro Asp Ala Gln
 225 230 235 240
 Pro Gly Gly Glu Leu Met Leu Gly Gly Thr Asp Ser Lys Tyr Tyr Lys
 245 250 255
 Gly Ser Leu Ser Tyr Leu Asn Val Thr Arg Lys Ala Tyr Trp Gln Val
 260 265 270
 His Leu Asp Gln Val Glu Val Ala Ser Gly Leu Thr Leu Cys Lys Glu
 275 280 285
 Gly Cys Glu Ala Ile Val Asp Thr Gly Thr Ser Leu Met Val Gly Pro
 290 295 300
 Val Asp Glu Val Arg Xaa Leu Gln Lys Ala Ile Gly Ala Val Pro Leu
 305 310 315 320
 Ile Gln Gly Glu Tyr Met Ile Pro Cys Glu Lys Val Ser Thr Leu Pro
 325 330 335
 Ala Ile Thr Leu Lys Leu Gly Gly Lys Gly Tyr Lys Leu Ser Pro Glu
 340 345 350
 Asp Tyr Thr Leu Lys Val Ser Gln Ala Gly Lys Thr Xaa Cys Leu Se
 355 360 365

<210> 981
<211> 67
<212> PRT
<213> Homo sapiens

<400> 981
Met Ala Pro Ser Gly Pro Leu Leu Leu Val Leu Leu Val Pro Leu Ala
1 5 10 5
Ala Ala Arg Pro Gly Pro Thr Ser Val Pro Ala Gly Ala Ala Ala Cys
20 25 30
Pro Cys Gly Gly Thr Ser Cys Arg Gly Trp Gly Ala Gly Pro Thr Pro
35 40 45
Gly Arg Thr Ser Thr Cys Pro His Leu Thr Cys Pro Arg Ala Gly Thr
50 55 60
Gly Ala Thr
65

<210> 982
<211> 14
<212> PRT
<213> Homo sapiens

<400> 982
Pro Gln Gly Pro Asn Asp Val Thr Ala Lys Leu Leu Cys Pro
1 5 10

<210> 983
<211> 6
<212> PRT
<213> Homo sapiens

<400> 983
Met Leu Leu Leu Tyr Leu
1 5

<210> 984
<211> 469
<212> PRT
<213> Homo sapiens

<400> 984
Met Arg Pro Pro Gly Phe Arg Asn Phe Leu Leu Leu Ala Ser Ser Leu
1 5 10 15
Leu Phe Ala Gly Leu Ser Ala Val Pro Gln Ser Phe Ser Pro Ser Leu

20					25					30					
Arg	Ser	Trp	Pro	Gly	Ala	Ala	Cys	Arg	Leu	Ser	Arg	Ala	Glu	Ser	Glu
		35					40					45			
Arg	Arg	Cys	Arg	Ala	Pro	Gly	Gln	Pro	Pro	Gly	Ala	Ala	Leu	Cys	His
	50					55					60				
Gly	Arg	Gly	Arg	Cys	Asp	Cys	Gly	Val	Cys	Ile	Cys	His	Val	Thr	Glu
	65					70					75				80
Pro	Gly	Met	Phe	Phe	Gly	Pro	Leu	Cys	Glu	Cys	His	Glu	Trp	Val	Cys
				85					90					95	
Glu	Thr	Tyr	Asp	Gly	Ser	Thr	Cys	Ala	Gly	His	Gly	Lys	Cys	Asp	Cys
			100					105					110		
Gly	Lys	Cys	Lys	Cys	Asp	Gln	Gly	Trp	Tyr	Gly	Asp	Ala	Cys	Gln	Tyr
		115					120					125			
Pro	Thr	Asn	Cys	Asp	Leu	Thr	Lys	Lys	Lys	Ser	Asn	Gln	Met	Cys	Lys
	130					135					140				
Asn	Ser	Gln	Asp	Ile	Ile	Cys	Ser	Asn	Ala	Gly	Thr	Cys	His	Cys	Gly
	145					150					155				160
Arg	Cys	Lys	Cys	Asp	Asn	Ser	Asp	Gly	Ser	Gly	Leu	Val	Tyr	Gly	Lys
				165					170					175	
Phe	Cys	Glu	Cys	Asp	Asp	Arg	Glu	Cys	Ile	Asp	Asp	Glu	Thr	Glu	Glu
			180					185					190		
Ile	Cys	Gly	Gly	His	Gly	Lys	Cys	Tyr	Cys	Gly	Asn	Cys	Tyr	Cys	Lys
		195					200					205			
Ala	Gly	Trp	His	Gly	Asp	Lys	Cys	Glu	Phe	Gln	Cys	Asp	Ile	Thr	Pro
	210					215					220				
Trp	Glu	Ser	Lys	Arg	Arg	Cys	Thr	Ser	Pro	Asp	Gly	Lys	Ile	Cys	Ser
	225					230					235				240
Ser	Arg	Gly	Thr	Cys	Val	Cys	Gly	Glu	Cys	Thr	Cys	His	Asp	Val	Asp
				245					250					255	
Pro	Thr	Gly	Asp	Trp	Gly	Asp	Ile	His	Gly	Asp	Thr	Cys	Glu	Cys	Asp
			260					265					270		
Glu	Arg	Asp	Cys	Arg	Ala	Val	Tyr	Asp	Arg	Tyr	Ser	Asp	Asp	Phe	Cys
		275					280					285			
Ser	Gly	His	Gly	Gln	Cys	Asn	Cys	Gly	Arg	Cys	Asp	Cys	Lys	Ala	Gly
	290					295					300				
Trp	Tyr	Gly	Lys	Lys	Cys	Glu	His	Pro	Gln	Ser	Cys	Thr	Leu	Ser	Ala
	305					310					315				320
Glu	Glu	Ser	Ile	Arg	Lys	Cys	Gln	Gly	Ser	Ser	Asp	Leu	Pro	Cys	Ser

325										330					335				
Gly	Arg	Gly	Lys	Cys	Glu	Cys	Gly	Lys	Cys	Thr	Cys	Tyr	Pro	Pro	Gly				
			340					345					350						
Asp	Arg	Arg	Val	Tyr	Gly	Lys	Thr	Cys	Glu	Cys	Asp	Asp	Arg	Arg	Cys				
		355					360				365								
Glu	Asp	Leu	Asp	Gly	Val	Val	Cys	Gly	Gly	His	Gly	Thr	Cys	Ser	Cys				
	370					375					380								
Gly	Arg	Cys	Val	Cys	Glu	Arg	Gly	Trp	Phe	Gly	Lys	Leu	Cys	Gln	His				
385					390					395					400				
Pro	Arg	Lys	Cys	Asn	Met	Thr	Glu	Glu	Gln	Ser	Lys	Asn	Leu	Cys	Glu				
				405					410					415					
Ser	Ala	Asp	Gly	Ile	Leu	Cys	Ser	Gly	Lys	Gly	Ser	Cys	His	Cys	Gly				
			420					425					430						
Lys	Cys	Ile	Cys	Ser	Ala	Glu	Glu	Trp	Tyr	Ile	Ser	Gly	Glu	Phe	Cys				
		435					440					445							
Asp	Cys	Asp	Asp	Arg	Asp	Cys	Asp	Lys	His	Asp	Gly	Leu	Ile	Cys	Thr				
	450					455					460								
Arg	Glu	Trp	Asn	Met															
465																			

<210> 985

<211> 161

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (123)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (129)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (145)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (146)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE
 <222> (157)
 <223> Xaa equals any of the naturally occurring L-amino acids

 <400> 985
 Met Thr Thr Trp Ser Cys Leu Val Ala Met Ile Val Ser Gly Val Ile
 1 5 10 15
 Thr Ala Val Trp Ala Val Arg Ala Ala Pro Ile Trp Arg Ser Gln Val
 20 25 30
 Lys Gln Lys Met Arg Ile Gly Lys Gln Gly Asn Cys Arg Pro Pro Arg
 35 40 45
 Cys Ile Cys Ser Ala Leu Gly Leu Leu Ala Pro Trp Met Ala Val Val
 50 55 60
 Leu Ser Gln Leu Ser Val Arg Cys Val Val Ser Trp Val Gln Gly Lys
 65 70 75 80
 Pro Ser Ser Pro Arg Pro Arg Gly Ser Ala Ala Ser Pro Ala Pro Gly
 85 90 95
 Ala Thr Pro Pro Thr Pro Arg Lys Pro Val Ser Trp Leu Gly Tyr Arg
 100 105 110
 Glu Asn His Arg Pro Lys Lys Pro Lys Ser Xaa Thr Arg Cys Leu Val
 115 120 125
 Xaa Gln Asn Trp Ser Leu Pro Pro Ile Ser Lys Asp Arg Thr Ala Gly
 130 135 140
 Xaa Xaa Asp Thr Asn Arg Thr Arg Arg Ser Gly Leu Xaa Leu Arg Leu
 145 150 155 160

 Gly

<210> 986
 <211> 325
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (10)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE
 <222> (136)
 <223> Xaa equals any of the naturally occurring L-amino acids

<220>
 <221> SITE

<222> (186)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (234)

<223> Xaa equals any of the naturally occurring amino acids

<400> 986

Val	Pro	Pro	Ala	Val	Cys	Pro	Ala	Gly	Xaa	Phe	Cys	Gln	Asn	Gln	Cys	
1				5					10					15		
Phe	Thr	Lys	Arg	Gln	Tyr	Pro	Glu	Thr	Lys	Ile	Ile	Lys	Thr	Asp	Gly	
			20					25					30			
Lys	Gly	Trp	Gly	Leu	Val	Ala	Lys	Arg	Asp	Ile	Arg	Lys	Gly	Glu	Phe	
		35					40					45				
Val	Asn	Glu	Tyr	Val	Gly	Glu	Leu	Ile	Asp	Glu	Glu	Glu	Cys	Met	Ala	
	50					55					60					
Arg	Ile	Lys	His	Ala	His	Glu	Asn	Asp	Ile	Thr	His	Phe	Tyr	Met	Leu	
65					70					75					80	
Thr	Ile	Asp	Lys	Asp	Arg	Ile	Ile	Asp	Ala	Gly	Pro	Lys	Gly	Asn	Tyr	
				85					90					95		
Ser	Arg	Phe	Met	Asn	His	Ser	Cys	Gln	Pro	Asn	Cys	Glu	Thr	Leu	Lys	
			100					105					110			
Trp	Thr	Val	Asn	Gly	Asp	Thr	Arg	Val	Gly	Leu	Phe	Ala	Val	Cys	Asp	
		115					120					125				
Ile	Pro	Ala	Gly	Thr	Glu	Leu	Xaa	Phe	Asn	Tyr	Asn	Leu	Asp	Cys	Leu	
	130					135					140					
Gly	Asn	Glu	Lys	Thr	Val	Cys	Arg	Cys	Gly	Ala	Ser	Asn	Cys	Ser	Gly	
145					150					155					160	
Phe	Leu	Gly	Asp	Arg	Pro	Lys	Thr	Ser	Thr	Thr	Leu	Ser	Ser	Glu	Glu	
				165					170					175		
Lys	Gly	Lys	Lys	Thr	Lys	Lys	Lys	Thr	Xaa	Arg	Arg	Arg	Ala	Lys	Gly	
			180					185					190			
Glu	Gly	Lys	Arg	Gln	Ser	Glu	Asp	Glu	Cys	Phe	Arg	Cys	Gly	Asp	Gly	
		195					200					205				
Gly	Gln	Leu	Val	Leu	Cys	Asp	Arg	Lys	Phe	Cys	Thr	Lys	Ala	Tyr	His	
	210					215					220					
Leu	Ser	Cys	Leu	Gly	Leu	Gly	Lys	Arg	Xaa	Phe	Gly	Lys	Trp	Glu	Cys	
225					230					235					240	
Pro	Trp	His	His	Cys	Asp	Val	Cys	Gly	Lys	Pro	Ser	Thr	Ser	Phe	Cys	
				245					250					255		

His Leu Cys Pro Asn Ser Phe Cys Lys Glu His Gln Asp Gly Thr Ala
 260 265 270
 Phe Ser Cys Thr Pro Asp Gly Arg Ser Tyr Cys Cys Glu His Asp Leu
 275 280 285
 Gly Ala Ala Ser Val Arg Ser Thr Lys Thr Glu Lys Pro Pro Pro Glu
 290 295 300
 Pro Gly Lys Pro Lys Gly Lys Arg Arg Arg Arg Arg Gly Trp Arg Arg
 305 310 315 320
 Val Thr Glu Gly Lys
 325

<210> 987
 <211> 40
 <212> PRT
 <213> Homo sapiens

<400> 987
 Met Val Ala Met Val Phe Leu Lys Ile Ser Val Leu Pro Leu Met Cys
 1 5 10 15
 Arg Gly Gln Thr Lys His Lys Val Leu Arg Asp His Ala Tyr Pro Arg
 20 25 30
 Val Ser Gln Lys Arg Gly His Ile
 35 40

<210> 988
 <211> 61
 <212> PRT
 <213> Homo sapiens

<400> 988
 Met Gln Gly Lys Phe Met Lys Val Gln Val Tyr Arg Phe Leu Lys Tyr
 1 5 10 15
 Leu Leu Met Leu Leu Cys Met Phe Val Asn Arg Gly Met Ser Lys Asp
 20 25 30
 Ser Thr Lys Lys Pro Gly Gln Glu Lys Leu Lys Val Ser Leu Gly Ser
 35 40 45
 Ile Leu Asn Met Lys Ser Gln Arg Pro Leu Ser Trp Cys
 50 55 60

<210> 989
 <211> 131
 <212> PRT

<213> Homo sapiens

<400> 989

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Met Leu Phe Val Phe Cys Cys Thr Val Phe Phe Val Cys Leu Phe Val
 1           5           10           15

Tyr Leu Val Gly Phe Leu Glu Arg Glu Ile Trp Lys Arg Asp Ile His
      20           25           30

Lys Ser Tyr Thr Pro Thr Phe Pro Phe Tyr His Asp Ile Gln Glu Glu
      35           40           45

Thr Ser Arg Ala Lys Asn Gly Val Lys Lys Gly Ser Met Ala Gly Thr
      50           55           60

Ser Lys Glu Leu Arg Ala Val Ala Leu Lys Asn Tyr Phe Phe Tyr Tyr
      65           70           75           80

Tyr Phe Glu Ser Met Glu Val Phe His Ser Leu Gly Lys Gly Gly Lys
      85           90           95

Ser Ala Phe Ile Phe Ile Gln Ser Tyr Leu Ile Thr Ser Lys Thr His
      100          105          110

Met Leu Glu Ile Ala Phe Ala Gly Ala Lys Tyr Ile Asn Glu Gln Glu
      115          120          125

Tyr Ile His
      130
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<210> 990

<211> 173

<212> PRT

<213> Homo sapiens

<400> 990

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Met Val Phe Leu Lys Phe Phe Cys Met Ser Phe Phe Cys His Leu Cys
 1           5           10           15

Gln Gly Tyr Phe Asp Gly Pro Leu Tyr Pro Glu Met Ser Asn Gly Thr
      20           25           30

Leu His His Tyr Phe Val Pro Asp Gly Asp Tyr Glu Glu Asn Asp Asp
      35           40           45

Pro Glu Lys Cys Gln Leu Leu Phe Arg Val Ser Asp His Arg Arg Cys
      50           55           60

Ser Gln Gly Glu Gly Ser Gln Val Gly Ser Leu Leu Ser Leu Thr Leu
      65           70           75           80

Arg Glu Glu Phe Thr Val Leu Gly His Gln Val Glu Gly Cys Trp Ala
      85           90           95

Arg Ala Gly Gly His Gln Gln Lys His Leu Leu Arg Pro Arg Arg Gly
```

100 105 110
 Arg Glu Leu Trp Gln Val Pro Ala Ala Gly Val Pro Pro Asp Arg Gly
 115 120 125
 Met Pro Thr Pro Thr Arg Thr Asn Pro Ser Leu Ser Trp Arg Ala Ser
 130 135 140
 Ser Ser Arg Ala Arg Asn Arg Thr Ala Gly Arg Arg Ala Gly Ser Thr
 145 150 155 160
 Arg Thr Phe Trp Glu Cys Trp Ser Thr Pro Gly Pro Cys
 165 170

<210> 991
 <211> 51
 <212> PRT
 <213> Homo sapiens

<400> 991
 Met Arg Cys Gly Glu Ile Ile Leu Ala Ser Val Leu Gly Leu Leu Leu
 1 5 10 15
 Thr Leu Pro Pro Thr Ser Cys His Leu Asn Lys Ser Phe Pro Phe Leu
 20 25 30
 Cys Leu Pro Trp Ser Gln Ala Leu Ser Leu Asn Pro His Ser Gly Asn
 35 40 45
 Glu Ala Gly
 50

<210> 992
 <211> 48
 <212> PRT
 <213> Homo sapiens

<400> 992
 Met Met Leu Tyr Gln Asn Met Leu Leu Tyr Phe Arg Ile Ile Gly Val
 1 5 10 15
 Leu Ala Leu Asn Phe Ser Ile Ser Pro Ile Phe Phe His Gly Ser Leu
 20 25 30
 Gly Lys Leu Tyr Val Tyr Ser Ala Ala Lys Tyr Ser Leu Glu Leu Lys
 35 40 45

<210> 993

<211> 10
 <212> PRT
 <213> Homo sapiens

<400> 993
 Ile Tyr Gln His Phe Ser Leu Trp Leu Gly
 1 5 10

<210> 994
 <211> 4
 <212> PRT
 <213> Homo sapiens

<400> 994
 Met Phe Lys Met
 1

<210> 995
 <211> 201
 <212> PRT
 <213> Homo sapiens

<400> 995
 Met Lys Leu Leu Ile Leu Phe Leu Ser His Leu Leu Ser Leu Ala Phe
 1 5 10 15
 Gly Ile Leu Cys Leu Ser Val Thr Val Ile Leu Ser Leu Leu Leu Ser
 20 25 30
 Phe Ser Lys Arg Gly Phe Ser Val Arg Ser Phe Gly Thr Gly Thr His
 35 40 45
 Val Lys Leu Pro Gly Pro Ala Pro Asp Lys Pro Asn Val Tyr Asp Phe
 50 55 60
 Lys Thr Thr Tyr Asp Gln Met Tyr Asn Asp Leu Leu Arg Lys Asp Lys
 65 70 75 80
 Glu Leu Tyr Thr Gln Asn Gly Ile Leu His Met Leu Asp Arg Asn Lys
 85 90 95
 Arg Ile Lys Pro Arg Pro Glu Arg Phe Gln Asn Cys Lys Asp Leu Phe
 100 105 110
 Asp Leu Ile Leu Thr Cys Glu Glu Arg Val Tyr Asp Gln Val Val Glu
 115 120 125
 Asp Leu Asn Ser Arg Glu Gln Glu Thr Cys Gln Pro Val His Val Val
 130 135 140
 Asn Val Asp Ile Gln Asp Asn His Glu Glu Ala Thr Leu Gly Ala Phe
 145 150 155 160

Leu Ile Cys Glu Leu Cys Gln Cys Ile Gln His Thr Glu Asp ~~Met~~ Glu
 165 170 175
 Asn Glu Ile Asp Glu Leu Leu Gln Glu Phe Glu Glu Lys Ser Gly Arg
 180 185 190
 Thr Phe Leu His Thr Val Cys Phe Tyr
 195 200

<210> 996
 <211> 392
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (251)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 996
 Met Ala Pro Trp Pro Pro Lys Gly Leu Val Pro Ala Val Leu Trp Gly
 1 5 10 15
 Leu Ser Leu Phe Leu Asn Leu Pro Gly Pro Ile Trp Leu Gln Pro Ser
 20 25 30
 Pro Pro Pro Gln Ser Ser Pro Pro Pro Gln Pro His Pro Cys His Thr
 35 40 45
 Cys Arg Gly Leu Val Asp Ser Phe Asn Lys Gly Leu Glu Arg Thr Ile
 50 55 60
 Arg Asp Asn Phe Gly Gly Gly Asn Thr Ala Trp Glu Glu Glu Asn Leu
 65 70 75 80
 Ser Lys Tyr Lys Asp Ser Glu Thr Arg Leu Val Glu Val Leu Glu Gly
 85 90 95
 Val Cys Ser Lys Ser Asp Phe Glu Cys His Arg Leu Leu Glu Leu Ser
 100 105 110
 Glu Glu Leu Val Glu Ser Trp Trp Phe His Lys Gln Gln Glu Ala Pro
 115 120 125
 Asp Leu Phe Gln Trp Leu Cys Ser Asp Ser Leu Lys Leu Cys Cys Pro
 130 135 140
 Ala Gly Thr Phe Gly Pro Ser Cys Leu Pro Cys Pro Gly Gly Thr Glu
 145 150 155 160
 Arg Pro Cys Gly Gly Tyr Gly Gln Cys Glu Gly Glu Gly Thr Arg Gly
 165 170 175
 Gly Ser Gly His Cys Asp Cys Gln Ala Gly Tyr Gly Gly Glu Ala Cys
 180 185 190

Gly Gln Cys Gly Leu Gly Tyr Phe Glu Ala Glu Arg Asn Ala Ser His
 195 200 205
 Leu Val Cys Ser Ala Cys Phe Gly Pro Cys Ala Arg Cys Ser Gly Pro
 210 215 220
 Glu Glu Ser Asn Cys Leu Gln Cys Lys Lys Gly Trp Ala Leu His His
 225 230 235 240
 Leu Lys Cys Val Asp Cys Ala Lys Ala Cys Xaa Gly Cys Met Gly Ala
 245 250 255
 Gly Pro Gly Arg Cys Lys Lys Cys Ser Pro Gly Tyr Gln Gln Val Gly
 260 265 270
 Ser Lys Cys Leu Asp Val Asp Glu Cys Glu Thr Glu Val Cys Pro Gly
 275 280 285
 Glu Asn Lys Gln Cys Glu Asn Thr Glu Gly Gly Tyr Arg Cys Ile Cys
 290 295 300
 Ala Glu Gly Tyr Lys Gln Met Glu Gly Ile Cys Val Lys Glu Gln Ile
 305 310 315 320
 Pro Glu Ser Ala Gly Phe Phe Ser Glu Met Thr Glu Asp Glu Leu Val
 325 330 335
 Val Leu Gln Gln Met Phe Phe Gly Ile Ile Ile Cys Ala Leu Ala Thr
 340 345 350
 Leu Ala Ala Lys Gly Asp Leu Val Phe Thr Ala Ile Phe Ile Gly Ala
 355 360 365
 Val Ala Ala Met Thr Gly Tyr Trp Leu Ser Gu Arg Ser Asp Arg Val
 370 375 380
 Leu Glu Gly Phe Ile Lys Gly Arg
 385 390

<210> 997
 <211> 63
 <212> PRT
 <213> Homo sapiens

<400> 997
 Met Thr Glu Asp Glu Leu Val Val Leu Gln Gln Met PhePhe Gly Ile
 1 5 10 15
 Ile Ile Cys Ala Leu Ala Thr Leu Ala Ala Lys Gly Asp Leu Val Phe
 20 25 30
 Thr Ala Ile Phe Ile Gly Ala Val Ala Ala Met Thr Gly TyrTrp Leu
 35 40 45

Ser Glu Arg Ser Asp Arg Val Leu Glu Gly Phe Ile Lys Gly Arg
50 55 60

<210> 998
<211> 69
<212> PRT
<213> Homo sapiens

<400> 998
Met Ser Arg Lys Ser Leu Ala Phe Pro Ile Ile Cys Ser Tyr Leu Cys
1 5 10 15
Phe Leu Thr Val Ala Thr Cys Ser Ile Ala Cys Thr Thr Val Phe Phe
20 25 30
Ala Asn Leu Arg His Thr Arg Tyr Ile Cys Ile Glu Leu Ser Ala Leu
35 40 45
Glu Thr Ser Gly Val Ile Ser Pro Gln Ile Asn Asn Val Pro Glu Val
50 55 60
His Gly Lys Tyr Ser
65

<210> 999
<211> 102
<212> PRT
<213> Homo sapiens

<400> 999
Met Thr Val Arg Arg Leu Ser Leu Leu Cys Arg Asp Leu Trp Ala Leu
1 5 10 15
Trp Leu Leu Leu Lys Ala Gly Ala Val Arg Gly Ala Arg Ala Gly Pr
20 25 30
Arg Leu Pro Gly Arg Cys Cys Gly Ala Thr Cys Gly Asp Ala Gly Arg
35 40 45
Gly Trp Thr Phe Trp Ala Gln Pro Cys Pro Gln Lys Leu Leu Gly Gln
50 55 60
Lys Pro Gly Ala Gly Gly Cys Arg Gly Trp Val Leu Gly Trp Val Pro
65 70 75 80
Pro Arg Pro Glu Glu Pro Cys Ser Leu Ala Gly Lys Val Cys Thr Gly
85 90 95
Leu Ala Arg Trp Met Val
100

<210> 1000
 <211> 53
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (41)
 <223> Xaa equals any of the naturally occurring amino acids

<400> 1000
 Met Cys Lys Ala Val Cys Lys His Arg Leu Arg Leu Phe Ala Val Ser
 1 5 10 15
 Ser Phe Ser Leu Gly Leu Gly Trp Val Cys Val Leu Val Leu Met Leu
 20 25 30
 Trp Pro Val Arg Leu Ser Leu Ala Xaa Arg Pro Val Gln Leu Gln Gln
 35 40 45
 Arg Arg Ser His Cys
 50

<210> 1001
 <211> 472
 <212> PRT
 <213> Homo sapiens

<400> 1001
 Met Lys Phe Leu Ile Phe Ala Phe Phe Gly Gly Val His Leu Leu Ser
 1 5 10 15
 Leu Cys Ser Gly Lys Ala Ile Cys Lys Asn Gly Ile Ser Lys Arg Thr
 20 25 30
 Phe Glu Glu Ile Lys Glu Glu Ile Ala Ser Cys Gly Asp Val Ala Lys
 35 40 45
 Ala Ile Ile Asn Leu Ala Val Tyr Gly Lys Ala Gln Asn Arg Ser Tyr
 50 55 60
 Glu Arg Leu Ala Leu Leu Val Asp Thr Val Gly Pro Arg Leu Ser Gly
 65 70 75 80
 Ser Lys Asn Leu Glu Lys Ala Ile Gln Ile Met Tyr Gln Asn Leu Gln
 85 90 95
 Gln Asp Gly Leu Glu Lys Val His Leu Glu Pro Val Arg Ile Pro His
 100 105 110
 Trp Glu Arg Gly Glu Glu Ser Ala Val Met Leu Glu Pro Arg Ile His
 115 120 125
 Lys Ile Ala Ile Leu Gly Leu Gly Ser Ser Ile Gly Thr Pro Pro Glu
 130 135 140

Gly	Ile	Thr	Ala	Glu	Val	Leu	Val	Val	Thr	Ser	Phe	Asp	Glu	Leu	Gln	145	150	155	160
Arg	Arg	Ala	Ser	Glu	Ala	Arg	Gly	Lys	Ile	Val	Val	Tyr	Asn	Gln	Pro	165	170	175	
Tyr	Ile	Asn	Tyr	Ser	Arg	Thr	Val	Gln	Tyr	Arg	Thr	Gln	Gly	Ala	Val	180	185	190	
Glu	Ala	Ala	Lys	Val	Gly	Ala	Leu	Ala	Ser	Leu	Ile	Arg	Ser	Val	Ala	195	200	205	
Ser	Phe	Ser	Ile	Tyr	Ser	Pro	His	Thr	Gly	Ile	Gln	Glu	Tyr	Gln	Asp	210	215	220	
Gly	Val	Pro	Lys	Ile	Pro	Thr	Ala	Cys	Ile	Thr	Val	Glu	Asp	Ala	Glu	225	230	235	240
Met	Met	Ser	Arg	Met	Ala	Ser	His	Gly	Ile	Lys	Ile	Val	Ile	Gln	Leu	245	250	255	
Lys	Met	Gly	Ala	Lys	Thr	Tyr	Pro	Asp	Thr	Asp	Ser	Phe	Asn	Thr	Val	260	265	270	
Ala	Glu	Ile	Thr	Gly	Ser	Lys	Tyr	Pro	Glu	Gln	Val	Val	Leu	Val	Ser	275	280	285	
Gly	His	Leu	Asp	Ser	Trp	Asp	Val	Gly	Gln	Gly	Ala	Met	Asp	Asp	Gly	290	295	300	
Gly	Gly	Ala	Phe	Ile	Ser	Trp	Glu	Ala	Leu	Ser	Leu	Ile	Lys	Asp	Leu	305	310	315	320
Gly	Leu	Arg	Pro	Lys	Arg	Thr	Leu	Arg	Leu	Val	Leu	Trp	Thr	Ala	Glu	325	330	335	
Glu	Gln	Gly	Gly	Val	Gly	Ala	Phe	Gln	Tyr	Tyr	Gln	Leu	His	Lys	Val	340	345	350	
Asn	Ile	Ser	Asn	Tyr	Ser	Leu	Val	Met	Glu	Ser	Asp	Ala	Gly	Thr	Phe	355	360	365	
Leu	Pro	Thr	Gly	Leu	Gln	Phe	Thr	Gly	Ser	Glu	Lys	Ala	Arg	Ala	Ile	370	375	380	
Met	Glu	Glu	Val	Met	Ser	Leu	Leu	Gln	Pro	Leu	Asn	Ile	Thr	Gln	Val	385	390	395	400
Leu	Ser	His	Gly	Glu	Gly	Thr	Asp	Ile	Asn	Phe	Trp	Ile	Gln	Ala	Gly	405	410	415	
Val	Pro	Gly	Ala	Ser	Leu	Leu	Asp	Asp	Leu	Tyr	Lys	Tyr	Phe	Phe	Phe	420	425	430	
His	His	Ser	His	Gly	Asp	Thr	Met	Thr	Val	Met	Asp	Pro	Lys	Gln	Met	435	440	445	

Asn Val Ala Ala Ala Val Trp Ala Val Val Ser Tyr Val Val Ala Asp
 450 455 460

Met Glu Glu Met Leu Pro Arg Ser
 465 470

<210> 1002
 <211> 178
 <212> PRT
 <213> Homo sapiens .

<400> 1002
 Ser Ile Tyr Ser Pro His Thr Gly Ile Gln Glu Tyr Gln Asp Gly Val
 1 5 10 15
 Pro Lys Ile Pro Thr Ala Cys Ile Thr Val Glu Asp Ala Glu Met Met
 20 25 30
 Ser Arg Met Ala Ser His Gly Ile Lys Ile Val Ile Gln Leu Lys Met
 35 40 45
 Gly Ala Lys Thr Tyr Pro Asp Thr Asp Ser Phe Asn Thr Val Ala Glu
 50 55 60
 Ile Thr Gly Ser Lys Tyr Pro Glu Gln Val Val Leu Val Ser Gly His
 65 70 75 80
 Leu Asp Ser Trp Asp Val Gly Gln Gly Ala Met Asp Asp Gly Gly Gly
 85 90 95
 Ala Phe Ile Ser Trp Glu Ala Leu Ser Leu Ile Lys Asp Leu Gly Leu
 100 105 110
 Arg Pro Lys Arg Thr Leu Arg Leu Val Leu Trp Thr Ala Glu Glu Gln
 115 120 125
 Gly Gly Val Gly Ala Phe Gln Tyr Tyr Gln Leu His Lys Val Asn Ile
 130 135 140
 Ser Asn Tyr Ser Leu Val Met Glu Ser Asp Ala Gly Thr Phe Leu Pro
 145 150 155 160
 Thr Gly Leu Gln Phe Thr Gly Ser Glu Lys Ala Arg Ala Ser Trp Arg
 165 170 175
 Arg Leu

<210> 1003
 <211> 199
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (142)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 1003
 Met Lys Leu Gly Cys Val Leu Met Ala Trp Ala Leu Tyr Leu Ser Leu
 1 5 10 15
 Gly Val Leu Trp Val Ala Gln Met Leu Leu Ala Ala Ser Phe Glu Thr
 20 25 30
 Leu Gln Cys Glu Gly Pro Val Cys Thr Glu Glu Ser Ser Cys His Thr
 35 40 45
 Glu Asp Asp Leu Thr Asp Ala Arg Glu Ala Gly Phe Gln Val Lys Ala
 50 55 60
 Tyr Thr Phe Ser Glu Pro Phe His Leu Ile Val Ser Tyr Asp Trp Leu
 65 70 75 80
 Ile Leu Gln Gly Pro Ala Lys Pro Val Phe Glu Gly Asp Leu Leu Val
 85 90 95
 Leu Arg Cys Gln Ala Trp Gln Asp Trp Pro Leu Thr Gln Val Thr Phe
 100 105 110
 Tyr Arg Asp Gly Ser Ala Leu Gly Pro Pro Gly Pro Asn Arg Glu Phe
 115 120 125
 Ser Ile Thr Val Val Gln Lys Ala Asp Ser Gly His Tyr Xaa Cys Ser
 130 135 140
 Gly Ile Phe Gln Ser Pro Gly Pro Gly Ile Pro Glu Thr Aa Ser Val
 145 150 155 160
 Val Ala Ile Thr Val Gln Glu Leu Phe Pro Ala Pro Ile Leu Leu Leu
 165 170 175
 Gln Gly Trp Lys Asp Ser Ala Lys Gln Gly Gly Ser Pro Gln Asn Ser
 180 185 190
 Arg Ser Pro Gln Leu Gln Lys
 195

<210> 1004
 <211> 2
 <212> PRT
 <213> Homo sapiens

<400> 1004
 Ser Trp
 1

<210> 1005
 <211> 32
 <212> PRT
 <213> Homo sapiens

<400> 1005
 Cys Leu Glu Thr Phe Trp Ser Leu Tyr Leu Gly Gly Trp Gly Met Val
 1 5 10 15
 Gly Cys Val Cys Tyr Trp His Pro Val Asn Arg Ser Gln Gly Cys Arg
 20 25 30

<210> 1006
 <211> 283
 <212> PRT
 <213> Homo sapiens

<400> 1006
 Met Tyr Leu Ser Ala Leu Gln Ser Leu Ile Pro Ser Leu Phe Ala Leu
 1 5 10 15
 Val Leu Gln Asn Ala Pro Phe SerSer Lys Ala Lys Leu His Gly Glu
 20 25 30
 Val Pro Gln Ile Glu Val Thr Arg Phe Pro Arg Pro Met Ser Pro Leu
 35 40 45
 Gln Asp Val Ser Thr Ile Ile Gly Ser Arg GluGln Leu Ala Val Leu
 50 55 60
 Leu Gln Leu Tyr Asp Tyr Gln Leu Glu Gln Glu Gly Thr Thr Gly Trp
 65 70 75 80
 Glu Ser Leu Leu Trp Val Val Asn Gln Leu Leu Pro GlnLeu Ile Glu
 85 90 95
 Ile Val Gly Lys Ile Asn Val Thr Ser Thr Ala Cys Val His Glu Phe
 100 105 110
 Ser Arg Phe Phe Trp Arg Leu Cys Arg Thr Phe Gly Lys IlePhe Thr
 115 120 125
 Asn Thr Lys Val Lys Pro Gln Phe Gln Glu Ile Leu Arg Leu Ser Glu
 130 135 140
 Glu Asn Ile Asp Ser Ser Ala Gly Asn Gly Val Leu Thr Lys Ala Thr
 145 150 155 160
 Val Pro Ile Tyr Ala Thr Gly Val Leu Thr Cys Tyr Ile Gln Glu Glu
 165 170 175

Asp Arg Lys Leu Leu Val Gly Phe Leu Glu Asp Val Met Thr Leu Leu
 180 185 190
 Ser Leu Ser His Ala Pro Leu Asp Ser Leu Lys Ala Ser Phe Val Glu
 195 200 205
 Leu Gly Ala Asn Pro Ala Tyr His Glu Leu Leu Leu Thr Val Leu Trp
 210 215 220
 Tyr Gly Val Val His Thr Ser Ala Leu Val Arg Cys Thr Ala Ala Arg
 225 230 235 240
 Met Phe Glu Val Cys Gln His Met Pro Leu Leu Val Ser Ile Ile Met
 245 250 255
 Ile Phe Phe Phe Leu Arg Arg Arg Arg Glu Phe Phe Leu Ile Lys Arg
 260 265 270
 Leu Cys Ile Ser Lys Lys Lys Lys Lys Lys Lys
 275 280

<210> 1007

<211> 286

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (204)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (224)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (228)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (264)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (271)

<223> Xaa equals any of the naturally occurringL-amino acids

<400> 1007

Met Tyr Leu Ser Ala Leu Gln Ser Leu Ile Pro Ser Leu Phe Ala Leu
 1 5 10 15

Val Leu Gln Asn Ala Pro Phe Ser Ser Lys Ala Lys Leu His Gly Glu
 20 25 30
 Val Pro Gln Ile Glu Val Thr Arg Phe Pro Arg Pro Met Ser Pro Leu
 35 40 45
 Gln Asp Val Ser Thr Ile Ile Gly Ser Arg Glu Gln Leu Ala Val Leu
 50 55 60
 Leu Gln Leu Tyr Asp Tyr Gln Leu Glu Gln Glu Gly Thr Thr Gly Trp
 65 70 75 80
 Glu Ser Leu Leu Trp Val Val Asn Gln Leu Leu Pro Gln Leu Ile Glu
 85 90 95
 Ile Val Gly Lys Ile Asn Val Thr Ser Thr Ala Cys Val His Glu Phe
 100 105 110
 Ser Arg Phe Phe Trp Arg Leu Cys Arg Thr Phe Gly Lys Ile Phe Thr
 115 120 125
 Asn Thr Lys Val Lys Pro Gln Phe Gln Glu Ile Leu Arg Leu Ser Glu
 130 135 140
 Glu Asn Ile Asp Ser Ser Ala Gly Asn Gly Val Leu Thr Lys Ala Thr
 145 150 155 160
 Val Pro Ile Tyr Ala Thr Gly Val Leu Thr Cys Tyr Ile Gln Glu Glu
 165 170 175
 Asp Arg Lys Leu Leu Val Gly Phe Leu Glu Asp Val Met Thr Leu Leu
 180 185 190
 Ser Leu Ser His Ala Pro Leu Asp Ser Leu Lys Xaa Ser Phe Val Glu
 195 200 205
 Leu Gly Ala Asn Gln Ala Tyr His Glu Leu Leu Leu Thr Val Leu Xaa
 210 215 220
 Tyr Gly Val Xaa His Thr Ser Ala Leu Val Arg Cys Thr Ala Ala Arg
 225 230 235 240
 Met Phe Glu Leu Leu Val Lys Gly Val Asn Glu Thr Leu Val Ala Gln
 245 250 255
 Arg Val Val Pro Ala Leu His Xaa Leu Ser Pro Val Asp Pro Xaa Asn
 260 265 270
 Leu Cys Gln Asp Cys His Asn Phe Gln Pro Leu Gly Leu Phe
 275 280 285

<210> 1008
 <211> 45
 <212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring amino acids

<400> 1008

Met Gln Ala Pro Leu Gln Asp Cys Gly Arg Ser Val Ser Leu Arg Leu
1 5 10 15

Ala Cys Val Leu Ala Pro Leu Thr Thr Ser Ser Arg Gly Cys His Leu
20 25 30

Gln Leu Pro Gln Asp Lys Gly Lys Ala Arg Xaa Asp Ser
35 40 45

<210> 1009

<211> 305

<212> PRT

<213> Homo sapiens

<400> 1009

Met Gly Ile Leu Leu Gly Leu Leu Leu Leu Gly His Leu Thr Val Asp
1 5 10 15

Thr Tyr Gly Arg Pro Ile Leu Glu Val Pro Glu Ser Val Thr Gly Pro
20 25 30

Trp Lys Gly Asp Val Asn Leu Pro Cys Thr Tyr Asp Pro Leu Gln Gly
35 40 45

Tyr Thr Gln Val Leu Val Lys Trp Leu Val Gln Arg Gly Ser Asp Pro
50 55 60

Val Thr Ile Phe Leu Arg Asp Ser Ser Gly Asp His Ile Gln Gln Ala
65 70 75 80

Lys Tyr Gln Gly Arg Leu His Val Ser His Lys Val Pro Gly Asp Val
85 90 95

Ser Leu Gln Leu Ser Thr Leu Glu Met Asp Asp Arg Ser His Tyr Thr
100 105 110

Cys Glu Val Thr Trp Gln Thr Pro Asp Gly Asn Gln Val Val Arg Asp
115 120 125

Lys Ile Thr Glu Leu Arg Val Gln Lys His Ser Ser Lys Leu Leu Lys
130 135 140

Thr Lys Thr Glu Ala Pro Thr Thr Met Thr Tyr Pro Leu Lys Ala Thr
145 150 155 160

Ser Thr Val Lys Gln Ser Trp Asp Trp Thr Thr Asp Met Asp Gly Tyr
165 170 175

Leu Gly Glu Thr Ser Ala Gly Pro Gly Lys Ser Leu Pro Val Phe Ala
 180 185 190
 Ile Ile Leu Ile Ile Ser Leu Cys Cys Met Val Val Phe Thr Met Ala
 195 200 205
 Tyr Ile Met Leu Cys Arg Lys Thr Ser Gln Gln Glu His Val Tyr Glu
 210 215 220
 Ala Ala Arg Ala His Ala Arg Glu Ala Asn Asp Ser Gly Glu Thr Met
 225 230 235 240
 Arg Val Ala Ile Phe Ala Ser Gly Cys Ser Ser Asp Glu Pro Thr Ser
 245 250 255
 Gln Asn Leu Gly Asn Asn Tyr Ser Asp Glu Pro Cys Ile Gly Gln Glu
 260 265 270
 Tyr Gln Ile Ile Ala Gln Ile Asn Gly Asn Tyr Ala Arg Leu Leu Asp
 275 280 285
 Thr Val Pro Leu Asp Tyr Glu Phe Leu Ala Thr Glu Gly Lys Ser Val
 290 295 300
 Cys
 305

<210> 1010
 <211> 72
 <212> PRT
 <213> Homo sapiens

<400> 1010
 Met Lys Phe Val Pro Cys Leu Leu Leu Val Thr Leu Ser Cys Leu Gly
 1 5 10 15
 Thr Leu Gly Gln Ala Pro Arg Gln Lys Gln Gly Ser Thr Gly Glu Glu
 20 25 30
 Phe His Phe Gln Thr Gly Gly Arg Asp Ser Cys Thr Met Arg Pro Ser
 35 40 45
 Ser Leu Gly Gln Gly Ala Gly Glu Val Trp Leu Arg Val Arg Leu Pro
 50 55 60
 Gln His Arg Pro Asp Leu Leu Val
 65 70

<210> 1011
 <211> 121
 <212> PRT
 <213> Homo sapiens

<400> 1011

Met Gly Leu Trp Leu Gly Met Leu Ala Cys Val Phe Leu Ala Thr Ala
1 5 10 15
Ala Phe Val Ala Tyr Thr Ala Arg Leu Asp Trp Lys Leu Ala Ala Glu
20 25 30
Glu Ala Lys Lys His Ser Gly Arg Gln Gln Gln Gln Arg Ala Glu Ser
35 40 45
Thr Ala Thr Arg Pro Gly Pro Glu Lys Ala Val Leu Ser Ser Val Ala
50 55 60
Thr Gly Ser Ser Pro Gly Ile Thr Leu Thr Thr Tyr Ser Arg Ser Glu
65 70 75 80
Cys His Val Asp Phe Phe Arg Thr Pro Glu Glu Ala His Ala Leu Ser
85 90 95
Ala Pro Thr Ser Arg Leu Ser Val Lys Gln Leu Val Ile Arg Arg Gly
100 105 110
Ala Ala Leu Gly Ala Ala Ser Ala His
115 120

<210> 1012

<211> 509

<212> PRT

<213> Homo sapiens

<400> 1012

Met Thr Trp Arg Met Gly Pro Arg Phe Thr Met Leu Leu Ala Met Trp
1 5 10 15
Leu Val Cys Gly Ser Glu Pro His Pro His Ala Thr Ile Arg Gly Ser
20 25 30
His Gly Gly Arg Lys Val Pro Leu Val Ser Pro Asp Ser Ser Arg Pro
35 40 45
Ala Arg Phe Leu Arg His Thr Gly Arg Ser Arg Gly Ile Glu Arg Ser
50 55 60
Thr Leu Glu Glu Pro Asn Leu Gln Pro Leu Gln Arg Arg Arg Ser Val
65 70 75 80
Pro Val Leu Arg Leu Ala Arg Pro Thr Glu Pro Pro Ala Arg Ser Asp
85 90 95
Ile Asn Gly Ala Ala Val Arg Pro Glu Gln Arg Pro Ala Ala Arg Gly
100 105 110
Ser Pro Arg Glu Met Ile Arg Asp Glu Gly Ser Ser Ala Arg Ser Arg
115 120 125

Met Leu Arg Phe Pro Ser Gly Ser Ser Ser Pro Asn Ile Leu Ala Ser
130 135 140
Phe Ala Gly Lys Asn Arg Val Trp Val Ile Ser Ala Pro His Ala Ser
145 150 155 160
Glu Gly Tyr Tyr Arg Leu Met Met Ser Leu Leu Lys Asp Asp Val Tyr
165 170 175
Cys Glu Leu Ala Glu Arg His Ile Gln Gln Ile Val Leu Phe His Gln
180 185 190
Ala Gly Glu Glu Gly Gly Lys Val Arg Arg Ile Thr Ser Glu Gly Gln
195 200 205
Ile Leu Glu Gln Pro Leu Asp Pro Ser Leu Ile Pro Lys Leu Met Ser
210 215 220
Phe Leu Lys Leu Glu Lys Gly Lys Phe Gly Met Val Leu Leu Lys Lys
225 230 235 240
Thr Leu Gln Val Glu Glu Arg Tyr Pro Tyr Pro Val Arg Leu Glu Ala
245 250 255
Met Tyr Glu Val Ile Asp Gln Gly Pro Ile Arg Arg Ile Glu Lys Ile
260 265 270
Arg Gln Lys Gly Phe Val Gln Lys Cys Lys Ala Ser Gly Val Glu Gly
275 280 285
Gln Val Val Ala Glu Gly Asn Asp Gly Gly Gly Gly Ala Gly Arg Pro
290 295 300
Ser Leu Gly Ser Glu Lys Lys Lys Glu Asp Pro Arg Arg Ala Gln Val
305 310 315 320
Pro Pro Thr Arg Glu Ser Arg Val Lys Val Leu Arg Lys Leu Ala Ala
325 330 335
Thr Ala Pro Ala Phe Pro Gln Pro Pro Ser Thr Pro Arg Ala Thr Thr
340 345 350
Leu Pro Pro Ala Pro Ala Thr Thr Val Thr Arg Ser Thr Ser Arg Ala
355 360 365
Val Thr Val Ala Ala Arg Pro Met Thr Thr Thr Ala Phe Pro Thr Thr
370 375 380
Gln Arg Pro Trp Thr Pro Ser Pro Ser His Arg Pro Pro Thr Thr Thr
385 390 395 400
Glu Val Ile Thr Ala Arg Arg Pro Ser Val Ser Glu Asn Leu Tyr Pro
405 410 415
Pro Ser Arg Lys Asp Gln His Arg Glu Arg Pro Gln Thr Thr Arg Arg
420 425 430

Pro Ser Lys Ala Thr Ser Leu Glu Ser Phe Thr Asn Ala Pro Pro Thr
435 440 445

Thr Ile Ser Glu Pro Ser Thr Arg Ala Ala Gly Pro Gly Arg Phe Arg
450 455 460

Asp Asn Arg Met Asp Arg Arg Glu His Gly His Arg Asp Pro Asn Val
465 470 475 480

Val Pro Gly Pro Pro Lys Pro Ala Lys Glu Lys Pro Pro Lys Lys Lys
485 490 495

Ala Gln Asp Lys Ile Leu Ser Asn Glu Tyr Glu Glu Val
500 505

<210> 1013
<211> 554
<212> PRT
<213> Homo sapiens

<400> 1013
Met Gly Pro Arg Phe Thr Met Leu Leu Ala Met Trp Leu Val Cys Gly
1 5 10 15

Ser Glu Pro His Pro His Ala Thr Ile Arg Gly Ser His Gly Gly Arg
20 25 30

Lys Val Pro Leu Val Ser Pro Asp Ser Ser Arg Pro Ala Arg Phe Leu
35 40 45

Arg His Thr Gly Arg Ser Arg Gly Ile Glu Arg Ser Thr Leu Glu Glu
50 55 60

Pro Asn Leu Gln Pro Leu Gln Arg Arg Arg Ser Val Pro Val Leu Arg
65 70 75 80

Leu Ala Arg Pro Thr Glu Pro Pro Ala Arg Ser Asp Ile Asn Gly Ala
85 90 95

Ala Val Arg Pro Glu Gln Arg Pro Ala Ala Arg Gly Ser Pro Arg Glu
100 105 110

Met Ile Arg Asp Glu Gly Ser Ser Ala Arg Ser Arg Met Leu Arg Phe
115 120 125

Pro Ser Gly Ser Ser Ser Pro Asn Ile Leu Ala Ser Phe Ala Gly Lys
130 135 140

Asn Arg Val Trp Val Ile Ser Ala Pro His Ala Ser Glu Gly Tyr Tyr
145 150 155 160

Arg Leu Met Met Ser Leu Leu Lys Asp Asp Val Tyr Cys Glu Leu Ala
165 170 175

Glu Arg His Ile Gln Gln Ile Val Leu Phe His Gln Ala Gly Glu Glu
 180 185 190
 Gly Gly Lys Val Arg Arg Ile Thr Ser Glu Gly Gln Ile Leu Glu Gln
 195 200 205
 Pro Leu Asp Pro Ser Leu Ile Pro Lys Leu Met Ser Phe Leu Lys Leu
 210 215 220
 Glu Lys Gly Lys Phe Gly Met Val Leu Leu Lys Lys Thr Leu Gln Val
 225 230 235 240
 Glu Glu Arg Tyr Pro Tyr Pro Val Arg Leu Glu Ala Met Tyr Glu Val
 245 250 255
 Ile Asp Gln Gly Pro Ile Arg Arg Ile Glu Lys Ile Arg Gln Lys Gly
 260 265 270
 Phe Val Gln Lys Cys Lys Ala Ser Gly Val Glu Gly Gln Val Val Ala
 275 280 285
 Glu Gly Asn Asp Gly Gly Gly Gly Ala Gly Arg Pro Ser Gln Gly Ser
 290 295 300
 Glu Lys Lys Lys Glu Asp Pro Arg Arg Ala Gln Val Pro Pro Thr Arg
 305 310 315 320
 Glu Ser Arg Val Lys Val Leu Arg Lys Leu Ala Ala Thr Ala Pro Ala
 325 330 335
 Phe Pro Gln Pro Pro Ser Thr Pro Arg Ala Thr Thr Leu Thr Pro Ala
 340 345 350
 Pro Ala Thr Thr Val Thr Arg Ser Thr Ser Arg Ala Gly Asn Arg Cys
 355 360 365
 Cys Lys Thr Tyr Asp His His Trp Leu Ser His His Ala Glu Ala Leu
 370 375 380
 Asp Pro Leu Thr Leu Pro Thr Gly Pro Leu Gln Pro Leu Arg Val Ile
 385 390 395 400
 Thr Ala Arg Arg Pro Ser Val Ser Arg Glu Ser Leu Pro Ser Ile Pro
 405 410 415
 Gly Arg Ile Ser Thr Gly Arg Gly His Arg Gln Pro Gly Gly Pro Ala
 420 425 430
 Arg Pro Thr Ser Leu Glu Ser Phe Thr Asn Ala Pro Pro Thr Thr Ile
 435 440 445
 Ser Glu Pro Ser Thr Arg Ala Ala Gly Pro Gly Arg Phe Arg Asp Asn
 450 455 460
 Arg Met Asp Arg Arg Glu His Gly His Arg Asp Pro Asn Val Val Pro
 465 470 475 480

Met Val Asn Ile Phe Gly Phe Val Ser Cys Ile Val Phe Val Val Ala
 1 5 10 15

Val Gln Leu Cys Tyr Met Lys Gln Pro
 20 25

<210> 1017
 <211> 606
 <212> PRT
 <213> Homo sapiens

<400> 1017

Met Thr Val Val Gly Asn Pro Arg Ser Trp Ser Cys Gln Trp Leu Phe
 1 5 10 15

Ile Leu Ile Leu Leu Leu Gly Thr Gly His Gly Pro Gly Val Glu Gly
 20 25 30

Val Thr His Tyr Lys Ala Gly Asp Pro Val Ile Leu Tyr Val Asn Lys
 35 40 45

Val Gly Pro Tyr His Asn Pro Gln Glu Thr Tyr His Tyr Tyr Gln Leu
 50 55 60

Pro Val Cys Cys Pro Glu Lys Ile Arg His Lys Ser Leu Ser Leu Gly
 65 70 75 80

Glu Val Leu Asp Gly Asp Arg Met Ala Glu Ser Leu Tyr Glu Ile Arg
 85 90 95

Phe Arg Glu Asn Val Glu Lys Arg Ile Leu Cys His Met Gln Leu Ser
 100 105 110

Ser Ala Gln Val Glu Gln Leu Arg Gln Ala Ile Glu Glu Leu Tyr Tyr
 115 120 125

Phe Glu Phe Val Val Asp Asp Leu Pro Ile Arg Gly Phe Val Gly Tyr
 130 135 140

Met Glu Glu Ser Gly Phe Leu Pro His Ser His Lys Ile Gly Leu Trp
 145 150 155 160

Thr His Leu Asp Phe His Leu Glu Phe His Gly Asp Arg Ile Ile Phe
 165 170 175

Ala Asn Val Ser Val Arg Asp Val Lys Pro His Ser Leu Asp Gly Leu
 180 185 190

Arg Pro Asp Glu Phe Leu Gly Leu Thr His Thr Tyr Ser Val Arg Trp
 195 200 205

Ser Glu Thr Ser Val Glu Arg Arg Ser Asp Arg Arg Arg Gly Asp Asp
 210 215 220

Gly Gly Phe Phe Pro Arg Thr Leu Glu Ile His Trp Leu Ser Ile Ile

225		230		235		240
Asn Ser Met Val	Leu Val Phe Leu Leu Val Gly Phe Val Ala Val Ile					
	245			250		255
Leu Met Arg Val	Leu Arg Asn Asp Leu Ala Arg Tyr Asn Leu Asp Glu					
	260			265		270
Glu Thr Thr Ser	Ala Gly Ser Gly Asp Asp Phe Asp Gln Gly Asp Asn					
	275			280		285
Gly Trp Lys Ile	Ile His Thr Asp Val Phe Arg Phe Pro Pro Tyr Arg					
	290			295		300
Gly Leu Leu Cys	Ala Val Leu Gly Val Gly Ala Gln Phe Leu Ala Leu					
	305			310		315
Gly Thr Gly Ile	Ile Val Met Ala Leu Leu Gly Met Phe Asn Val His					
	325			330		335
Arg His Gly Ala	Ile Asn Ser Ala Ala Ile Leu Leu Tyr Ala Leu Thr					
	340			345		350
Cys Cys Ile Ser	Gly Tyr Val Ser Ser His Phe Tyr Arg Gln Ile Gly					
	355			360		365
Gly Glu Arg Trp	Val Trp Asn Ile Ile Leu Thr Thr Ser Leu Phe Ser					
	370			375		380
Val Pro Phe Phe	Leu Thr Trp Ser Val Val Asn Ser Val His Trp Ala					
	385			390		395
Asn Gly Ser Thr	Gln Ala Leu Pro Ala Thr Thr Ile Leu Leu Leu Leu					
	405			410		415
Thr Val Trp Leu	Leu Val Gly Phe Pro Leu Thr Val Ile Gly Gly Ile					
	420			425		430
Phe Gly Lys Asn	Asn Ala Ser Pro Phe Asp Ala Pro Cys Arg Thr Lys					
	435			440		445
Asn Ile Ala Arg	Glu Ile Pro Pro Gln Pro Trp Tyr Lys Ser Thr Val					
	450			455		460
Ile His Met Thr	Val Gly Gly Phe Leu Pro Phe Ser Ala Ile Ser Val					
	465			470		475
Glu Leu Tyr Tyr	Ile Phe Ala Thr Val Trp Gly Arg Glu Gln Tyr Thr					
	485			490		495
Leu Tyr Gly Ile	Leu Phe Phe Val Phe Ala Ile Leu Leu Ser Val Gly					
	500			505		510
Ala Cys Ile Ser	Ile Ala Leu Thr Tyr Phe Gln Leu Ser Gly Glu Asp					
	515			520		525
Tyr Arg Trp Trp	Trp Arg Ser Val Leu Ser Val Gly Ser Thr Gly Leu					

530		535		540
Phe Ile Phe Leu Tyr Ser Val Phe Tyr Tyr Ala Arg Arg Ser Asn Met				
545		550	555	560
Ser Gly Ala Val Gln Thr Val Glu Phe Phe Gly Tyr Ser Leu Leu Thr				
	565		570	575
Gly Tyr Val Phe Phe Leu Met Leu Gly Thr Ile Ser Phe Phe Ser Ser				
	580	585		590
Leu Lys Phe Ile Arg Tyr Ile Tyr Val Asn Leu Lys Met Asp				
	595	600	605	

<210> 1018

<211> 122

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (92)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (100)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (109)

<223> Xaa equals any of the naturally occurring amino acids

<220>

<221> SITE

<222> (116)

<223> Xaa equals any of the naturally occurring amino acids

<400> 1018

Met	Leu	Ala	Leu	Thr	Leu	Ala	Lys	Ala	Asp	Ser	Pro	Arg	Thr	Ala	Leu
1				5					10					15	

Leu	Cys	Ser	Ala	Trp	Leu	Leu	Thr	Ala	Ser	Phe	Ser	Ala	Gln	Gln	His
			20					25					30		

Lys	Gly	Ser	Leu	Gln	Val	His	Gln	Thr	Leu	Ser	Val	Glu	Met	Asp	Gln
		35					40					45			

Val	Leu	Lys	Ala	Leu	Ser	Phe	Pro	Lys	Lys	Lys	Ala	Ala	Leu	Leu	Ser
	50					55					60				

Thr	Ala	Ile	Leu	Cys	Phe	Leu	Arg	Thr	Ala	Leu	Arg	Gln	Ser	Phe	Ser
65						70				75					80

Ser Ala Trp Asn Pro Gly Ala Leu Lys Gly Pro Xaa Thr Ala Ala Thr
85 90 95

Lys Asp Thr Xaa Leu Thr Ser Leu Arg Met Ser Lys Xaa Gly Pro Gly
100 105 110

His Trp Ala Xaa Lys Thr Ser Trp Cys Lys
115 120

<210> 1019
<211> 216
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (18)
<223> Xaa equals any of the naturally occurring amino acids

<400> 1019
Cys Phe Pro Trp Gly Xaa Ala Leu Arg Gln Lys Leu Phe Pro Ser Ala
1 5 10 15

Leu Xaa Ala Leu Val Pro Ser Gly Ala Gln Pro Leu Pro Ala Thr Lys
20 25 30

Asp Thr Val Leu Ala Pro Leu Arg Met Ser Gln Val Arg Ser Leu Val
35 40 45

Ile Gly Leu Gln Asn Leu Leu Val Gln Lys Asp Pro Leu Leu Ser Gln
50 55 60

Ala Cys Val Gly Cys Leu Glu Ala Leu Leu Asp Tyr Leu Asp Ala Arg
65 70 75 80

Ser Pro Asp Ile Ala Leu His Val Ala Ser Gln Pro Trp Asn Arg Phe
85 90 95

Leu Leu Phe Thr Leu Leu Asp Ala Gly Glu Asn Ser Phe Leu Arg Pro
100 105 110

Glu Ile Leu Arg Leu Met Thr Leu Phe Met Arg Tyr Arg Ser Ser Ser
115 120 125

Val Leu Ser His Glu Glu Val Gly Asp Val Leu Gln Gly Val Ala Leu
130 135 140

Ala Asp Leu Ser Thr Leu Ser Asn Thr Thr Leu Gln Ala Leu His Gly
145 150 155 160

Phe Phe Gln Gln Leu Gln Ser Met Gly His Leu Ala Asp His Ser Met
 165 170 175
 Ala Gln Thr Leu Gln Ala Ser Leu Glu Gly Leu Pro Pro Ser Thr Ser
 180 185 190
 Ser Gly Gln Pro Pro Leu Gln Asp Met Leu Cys Leu Gly Gly Val Ala
 195 200 205
 Val Ser Leu Ser His Ile Arg Asn
 210 215

<210> 1020
 <211> 127
 <212> PRT
 <213> Homo sapiens

<400> 1020
 Met Leu Pro Leu Leu Ile Ile Cys Leu Leu Pro Ala Ile Glu Gly Lys
 1 5 10 15
 Asn Cys Leu Arg Cys Trp Pro Glu Leu Ser Ala Leu Ile Asp Tyr Asp
 20 25 30
 Leu Gln Ile Leu Trp Val Thr Pro Gly Pro Pro Thr Glu Leu Ser Gln
 35 40 45
 Ser Ile His Ser Leu Phe Leu Glu Asp Asn Asn Phe Leu Lys Pro Trp
 50 55 60
 Tyr Leu Asp Arg Asp His Leu Glu Glu Glu Thr Ala Lys Phe Phe Thr
 65 70 75 80
 Gln Val His Gln Ala Ile Lys Thr Leu Arg Asp Asp Lys Thr Val Leu
 85 90 95
 Leu Glu Glu Ile Tyr Thr His Lys Asn Leu Phe Thr Glu Arg Leu Asn
 100 105 110
 Lys Ile Ser Asp Gly Leu Lys Glu Lys Glu Pro His Pro Ser Pro
 115 120 125

<210> 1021
 <211> 164
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (126)
 <223> Xaa equals any of the naturally occurring amino acids
 <400> 1021

Met Leu Pro Leu Leu Ile Ile Cys Leu Leu Pro Ala Ile Glu Gly Lys
 1 5 10 15
 Asn Cys Leu Arg Cys Trp Pro Glu Leu Ser Ala Leu Ile Asp Tyr Asp
 20 25 30
 Leu Gln Ile Leu Trp Val Thr Pro Gly Pro Pro Thr Glu Leu Ser Gln
 35 40 45
 Ser Ile His Ser Leu Phe Leu Glu Asp Asn Asn Phe Leu Lys Pro Trp
 50 55 60
 Tyr Leu Asp Arg Asp His Leu Glu Glu Glu Thr Ala Lys Phe Phe Thr
 65 70 75 80
 Gln Val His Gln Ala Ile Lys Thr Leu Arg Asp Asp Lys Thr Val Leu
 85 90 95
 Leu Glu Glu Ile Tyr Thr His Lys Asn Leu Phe Thr Glu Arg Leu Asn
 100 105 110
 Lys Ile Ser Asp Gly Leu Lys Glu Lys Gly Ala Pro Pro Xaa Ser Met
 115 120 125
 Asn Ala Phe Pro Ala Pro Ser Pro Thr Cys Thr Pro Glu Pro Leu Gly
 130 135 140
 Ser Val Cys Leu Pro Ser Thr Ser Val Ser Leu Pro Ser His Leu Pro
 145 150 155 160
 Gly Ser Leu Gln

<210> 1022
 <211> 39
 <212> PRT
 <213> Homo sapiens

<400> 1022
 Met Ala Phe Gly Gln Glu Val Thr His Leu Thr Lys Thr Ser Trp Leu
 1 5 10 15
 Ala Pro Leu Arg Phe Ile Lys Gly Leu Leu Gly Pro Trp Gly Trp Ile
 20 25 30
 Leu Leu Ile Leu Asp Leu Glu
 35

<210> 1023
 <211> 60
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (2)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 1023
 Met Xaa Leu Ala Phe Ser Val Ile Ile Leu Ala Gly Ala Gly Ser Ser
 1 5 10 15
 Arg Ser Trp Asn Ser Val Leu Val Glu Lys Glu Val Val Glu Gly Gly
 20 25 30
 Leu Gly Pro Trp Gly Asn Cys Ser Ala Glu Pro Leu Pro His Leu Leu
 35 40 45
 Leu Pro Arg Thr Asn Leu Lys Ala Lys Val Pro Gly
 50 55 60

<210> 1024
 <211> 240
 <212> PRT
 <213> Homo sapiens

<220>
 <221> SITE
 <222> (67)
 <223> Xaa equals any of the naturally occurring amino acids

 <400> 1024
 Gly Glu Gly Asp Asp Lys Glu Glu Ser Val Glu Lys Leu Asp Cys His
 1 5 10 15
 Tyr Ser Gly His His Pro Gln Pro Ala Ser Phe Cys Thr Phe Gly Ser
 20 25 30
 Arg Gln Ile Gly Arg Gly Tyr Tyr Val Phe Asp Ser Arg Trp Asn Arg
 35 40 45
 Leu Arg Cys Ala Leu Asn Leu Met Val Glu Lys His Leu Asn Ala Gln
 50 55 60
 Leu Trp Xaa Lys Ile Pro Pro Val Pro Ser Thr Thr Ser Pro Ile Ser
 65 70 75 80
 Thr Arg Ile Pro His Arg Thr Asn Ser Val Pro Thr Ser Gln Cys Gly
 85 90 95
 Val Ser Tyr Leu Ala Ala Ala Thr Val Ser Thr Ser Pro Val Leu Leu
 100 105 110
 Ser Ser Thr Cys Ile Ser Pro Asn Ser Lys Ser Val Pro Ala His Gly
 115 120 125
 Thr Thr Leu Asn Ala Gln Pro Ala Ala Ser Gly Ala Met Asp Pro Val
 130 135 140

Cys Ser Met Gln Ser Arg Gln Val Ser Ser Ser Ser Ser Ser Pro Ser
 145 150 155 160
 Thr Pro Ser Gly Leu Ser Ser Val Pro Ser Ser Pro Met Ser Arg Lys
 165 170 175
 Pro Gln Lys Leu Lys Ser Ser Lys Ser Leu Arg Pro Lys Glu Ser Ser
 180 185 190
 Gly Asn Ser Thr Asn Cys Gln Asn Ala Ser Ser Ser Thr Ser Gly Gly
 195 200 205
 Ser Gly Lys Lys Arg Lys Asn Ser Ser Pro Leu Val His Ser Ser
 210 215 220
 Ser Ser Ser Ser Ser Ser Ser Ser Ser Ser His Ser Met Gly Val Phe
 225 230 235 240

<210> 1025

<211> 71

<212> PRT

<213> Homo sapiens

<400> 1025

Met Val Gln Gly Pro Leu Thr His Leu Met Leu Val Leu Leu Ile Ser
 1 5 10 15

Leu Ile Phe Leu Ser Arg Gly Ser Gly Arg Ala Trp Ala Phe Ser His
 20 25 30

Ser Cys Phe Lys Thr Ser Asp Leu Leu Pro Cys Arg Asn Arg Trp Glu
 35 40 45

Val Ile Glu Phe Leu His Tyr Ser Asn Leu His Ser His Ile Ser Leu
 50 55 60

Ser Val Thr Lys Thr Phe Leu
 65 70

<210> 1026

<211> 140

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (136)

<223> Xaa equals any of the naturally occurring amino acids

<400> 1026

Met Ala Ser Leu Gly Leu Gln Leu Val Gly Tyr Ile Leu Gly Leu Leu
1 5 10 15
Gly Leu Leu Gly Thr Leu Val Ala Met Leu Leu Pro Ser Trp Lys Thr
20 25 30
Ser Ser Tyr Val Gly Ala Ser Ile Val Thr Ala Val Gly Phe Ser Lys
35 40 45
Gly Leu Trp Met Glu Cys Ala Thr His Ser Thr Gly Ile Thr Gln Cys
50 55 60
Asp Ile Tyr Ser Thr Leu Leu Gly Leu Pro Ala Asp Ile Gln Ala Ala
65 70 75 80
Gln Ala Met Met Val Thr Ser Ser Ala Ile Ser Ser Leu Ala Cys Ile
85 90 95
Ile Ser Val Val Gly Met Arg Cys Thr Val Phe Cys Gln Glu Ser Arg
100 105 110
Ala Lys Asp Arg Val Ala Val Ala Gly Gly Val Phe Phe Ile Leu Gly
115 120 125
Ser Leu Leu Gly Phe Ile Pro Xaa Ala Trp Asn Leu
130 135 140

<210> 1027

<211> 86

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (33)

<223> Xaa equals any of the naturally occurring L-amino acids

<220>

<221> SITE

<222> (43)

<223> Xaa equals any of the naturally occurring L-amino acids

<400> 1027

Arg Arg Phe Tyr Ser Pro Leu Val Pro Asp Ser Met Lys Phe Glu Ile
1 5 10 15
Gly Glu Ala Leu Tyr Leu Gly Ile Ile Ser Ser Leu Phe Ser Leu Ile
20 25 30
Xaa Gly Ile Ile Leu Cys Phe Ser Cys Ser Xaa Gln Arg Asn Arg Ser
35 40 45
Asn Tyr Tyr Asp Ala Tyr Gln Ala Gln Pro Leu Ala Thr Arg Ser Ser
50 55 60

Pro Arg Pro Gly Gln Pro Pro Lys Val Lys Ser Glu Phe Asn Ser Tyr
65 70 75 80

Ser Leu Thr Gly Tyr Val
85

<210> 1028
<211> 42
<212> PRT
<213> Homo sapiens

<400> 1028
Met Phe Leu Phe Ile Thr Phe Thr Ile Leu Ala Ile Phe Ile Ile Glu
1 5 10 15

Pro Arg Asn Leu Arg Val Asp Leu Asn Leu Ile Lys Phe Gln Thr Ser
20 25 30

Trp Pro Lys Thr Leu Val Glu Glu Gln Asn
35 40

<210> 1029
<211> 76
<212> PRT
<213> Homo sapiens

<400> 1029
Ile Asn Phe Thr Tyr Lys Arg Leu Ser Leu Asp Phe Ile Tyr Ile Tyr
1 5 10 15

Met Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val Cys Val Tyr
20 25 30

Leu Lys Arg Thr Cys Ala Ser Ile Lys Gly Asn Lys Met Arg Glu Tyr
35 40 45

Ile Ile Asp Phe Val Lys Ser Lys Tyr Leu Asn Tyr Gly Phe Ser Ile
50 55 60

Phe Lys Asn Ser Cys Ser Phe Cys Thr Tyr Phe Phe
65 70 75

<210> 1030
<211> 91
<212> PRT
<213> Homo sapiens

<400> 1030
Met Leu Cys His Pro His Val His His His Leu Val Cys Leu Leu Ala
1 5 10 15

Thr Leu Thr Phe Ser Leu Asn Ala Ser Cys Ala Glu Gln Thr Phe His
 20 25 30
 Ser Gln Gln Ser Asn Gly Glu Phe Met Ala Thr Leu Pro Ser Ile Ser
 35 40 45
 Lys Gln Phe Gly Val Ile Val Trp Lys Pro Gln Arg Lys Asp Val Ile
 50 55 60
 Arg Leu Pro Val Ala Leu Ser Phe Ser Met Gly Leu Gly Leu Leu Ser
 65 70 75 80
 Pro Ala Leu Gly Arg Phe Leu Ala Ser Glu Leu
 85 90

<210> 1031
 <211> 145
 <212> PRT
 <213> Homo sapiens

<400> 1031
 Met Ser Gln Ala Trp Val Pro Gly Leu Ala Pro Thr Leu Leu Phe Ser
 1 5 10 15
 Leu Leu Ala Gly Pro Gln Lys Ile Ala Ala Lys Cys Gly Leu Ile Leu
 20 25 30
 Ala Cys Pro Lys Gly Phe Lys Cys Cys Gly Asp Ser Cys Cys Gln Glu
 35 40 45
 Asn Glu Leu Phe Pro Gly Pro Val Arg Ile Phe Val Ile Ile Phe Leu
 50 55 60
 Val Ile Leu Ser Val Phe Cys Ile Cys Gly Leu Ala Lys Cys Phe Cys
 65 70 75 80
 Arg Asn Cys Arg Glu Pro Glu Pro Asp Ser Pro Val Asp Cys Arg Gly
 85 90 95
 Pro Leu Glu Leu Pro Ser Ile Ile Pro Pro Glu Arg Val Ile Leu Lys
 100 105 110
 Pro Ser Leu Gly Pro Thr Pro Thr Glu Pro Pro Pro Pro Tyr Ser Phe
 115 120 125
 Arg Pro Glu Glu Tyr Thr Gly Asp Gln Arg Gly Ile Asp Asn Pro Ala
 130 135 140
 Phe
 145

<210> 1032

<211> 142
 <212> PRT
 <213> Homo sapiens

<400> 1032
 Met Arg Arg Leu Leu Leu Val Thr Ser Leu Val Val Val Leu Leu Trp
 1 5 10 15
 Glu Ala Gly Ala Val Pro Ala Pro Lys Val Pro Ile Lys Met Gln Val
 20 25 30
 Lys His Trp Pro Ser Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg
 35 40 45
 Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro
 50 55 60
 Val Gln Lys Pro Lys Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Thr
 65 70 75 80
 Lys Ala Trp Met Glu Thr Glu Asp Thr Leu Gly Arg Val Leu Ser Pro
 85 90 95
 Glu Pro Asp His Asp Ser Leu Tyr His Pro Pro Pro Glu Glu Asp Gln
 100 105 110
 Gly Glu Glu Arg Pro Arg Leu Trp Val Met Pro Asn His Gln Val Leu
 115 120 125
 Leu Gly Pro Glu Glu Asp Gln Asp His Ile Tyr His Pro Gln
 130 135 140

<210> 1033
 <211> 119
 <212> PRT
 <213> Homo sapiens

<400> 1033
 Met Arg Arg Leu Leu Leu Val Thr Ser Leu Val Val Val Leu Leu Trp
 1 5 10 15
 Glu Ala Gly Ala Val Pro Ala Pro Lys Val Pro Ile Lys Met Gln Val
 20 25 30
 Lys His Trp Pro Ser Glu Gln Asp Pro Glu Lys Ala Trp Gly Ala Arg
 35 40 45
 Val Val Glu Pro Pro Glu Lys Asp Asp Gln Leu Val Val Leu Phe Pro
 50 55 60
 Val Gln Lys Pro Lys Leu Leu Thr Thr Glu Glu Lys Pro Arg Gly Thr
 65 70 75 80
 Lys Ala Trp Met Glu Thr Glu Asp Thr Leu Gly Arg Val Leu Ser Pro
 85 90 95

Glu Pro Asp His Asp Ser Leu Tyr His Pro Pro Pro Glu Glu Asp Gln
 100 105 110

Gly Glu Glu Arg Pro Arg Leu
 115

<210> 1034

<211> 462

<212> PRT

<213> Homo sapiens

<220>

<221> SITE

<222> (115)

<223> Xaa equals any of the naturally occurring amino acids

<400> 1034

Met Arg Leu Arg Val Arg Leu Leu Lys Arg Thr Trp Pro Leu Glu Val
 1 5 10 15

Pro Glu Thr Glu Pro Thr Leu Gly His Leu Arg Ser His Leu Arg Gln
 20 25 30

Ser Leu Leu Cys Thr Trp Gly Tyr Ser Ser Asn Thr Arg Phe Thr Ile
 35 40 45

Thr Leu Asn Tyr Lys Asp Pro Leu Thr Gly Asp Glu Glu Thr Leu Ala
 50 55 60

Ser Tyr Gly Ile Val Ser Gly Asp Leu Ile Cys Leu Ile Leu Gln Asp
 65 70 75 80

Asp Ile Pro Ala Pro Asn Ile Pro Ser Ser Thr Asp Ser Glu His Ser
 85 90 95

Ser Leu Gln Asn Asn Glu Gln Pro Ser Leu Ala Thr Ser Ser Asn Gln
 100 105 110

Thr Ser Xaa Gln Asp Glu Gln Pro Ser Asp Ser Phe Gln Gly Gln Ala
 115 120 125

Ala Gln Ser Gly Val Trp Asn Asp Asp Ser Met Leu Gly Pro Ser Gln
 130 135 140

Asn Phe Glu Ala Glu Ser Ile Gln Asp Asn Ala His Met Ala Glu Gly
 145 150 155 160

Thr Gly Phe Tyr Pro Ser Glu Pro Met Leu Cys Ser Glu Ser Val Glu
 165 170 175

Gly Gln Val Pro His Ser Leu Glu Thr Leu Tyr Gln Ser Ala Asp Cys
 180 185 190

Ser Asp Ala Asn Asp Ala Leu Ile Val Leu Ile His Leu Leu Met Leu

195	200	205
Glu Ser Gly Tyr Ile Pro	Gln Gly Thr Glu Ala Lys	Ala Leu Ser Met
210	215	220
Pro Glu Lys Trp Lys Leu Ser	Gly Val Tyr Lys Leu Gln Tyr Met	His
225	230	235
Pro Leu Cys Glu Gly Ser Ser Ala Thr	Leu Thr Cys Val Pro Leu Gly	
	245	250
Asn Leu Ile Val Val Asn Ala Leu Asn Leu Pro Asp Val Phe Gly Leu		
	260	265
Val Val Leu Pro Leu Glu Leu Lys Leu Arg Ile Phe Arg Leu Leu Asp		
	275	280
Val Arg Ser Val Leu Ser Leu Ser Ala Val Cys Arg Asp Leu Phe Thr		
	290	295
Ala Ser Asn Asp Pro Leu Leu Trp Arg Phe Leu Tyr Leu Arg Asp Phe		
	305	310
Arg Asp Asn Thr Val Arg Val Gln Asp Thr Asp Trp Lys Glu Leu Tyr		
	325	330
Arg Lys Arg His Ile Gln Arg Lys Glu Ser Pro Lys Gly Arg Phe Val		
	340	345
Met Leu Leu Pro Ser Ser Thr His Thr Ile Pro Phe Tyr Pro Asn Pro		
	355	360
Leu His Pro Arg Pro Phe Pro Ser Ser Arg Leu Pro Pro Gly Ile Ile		
	370	375
Gly Gly Glu Tyr Asp Gln Arg Pro Thr Leu Pro Tyr Val Gly Asp Pro		
	385	390
Ile Ser Ser Leu Ile Pro Gly Pro Gly Gu Thr Pro Ser Gln Phe Pro		
	405	410
Pro Leu Arg Pro Arg Phe Asp Pro Val Gly Pro Leu Pro Gly Pro Asn		
	420	425
Pro Ile Leu Pro Gly Arg Gly Gly Pro Asn Sp Arg Phe Pro Phe Arg		
	435	440
Pro Ser Arg Gly Arg Pro Thr Asp Gly Arg Leu Ser Phe Met		
	450	455

<210> 1035

<211> 174

<212> PRT

<213> Homo sapiens

<400> 1035

```
Met Phe Val Pro Ser Cys Leu Cys Leu Arg Phe Val Val Thr Ser Leu
 1             5             10             15

Leu Leu Gln Met Thr His Ser Cys Gly Gly Phe Tyr Ile Cys Val Ile
          20             25             30

Phe Glu Thr Ile Leu Ser Glu Phe Lys Thr Gln Ile Gly Arg Leu Tyr
          35             40             45

Arg Lys Arg His Ile Gln Arg Lys Glu Ser Pro Lys Gly Arg Phe Val
          50             55             60

Met Leu Leu Pro Ser Ser Thr His Thr Ile Pro Phe Tyr Pro Asn Pro
 65             70             75             80

Leu His Pro Arg Pro Phe Pro Ser Ser Arg Leu Pro Pro Gly Ile Ile
          85             90             95

Gly Gly Glu Tyr Asp Gln Arg Pro Thr Leu Pro Tyr Val Gly Asp Pro
          100            105            110

Ile Ser Ser Leu Ile Pro Gly Pro Gly Glu Thr Pro Ser Gln Phe Pro
          115            120            125

Pro Leu Arg Pro Arg Phe Asp Pro Val Gly Pro Leu Pro Gly Pro Asn
          130            135            140

Pro Ile Leu Pro Gly Arg Gly Gly Pro Asn Asp Arg Phe Pro Phe Arg
          145            150            155            160

Pro Ser Arg Gly Arg Pro Thr Asp Gly Arg Leu Ser Phe Met
          165            170
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<210> 1036

<211> 53

<212> PRT

<213> Homo sapiens

<400> 1036

```
Met Val Thr Phe Ile Asn Ala Thr Leu Trp Ile Ala Val Phe Ser Tyr
 1             5             10             15

Ile Met Val Trp Leu Val Thr Ile Ile Gly Tyr Thr Leu Gly Ile Pro
          20             25             30

Asp Val Ile Met Gly Ile Thr Phe Leu Ala Ala Gly Gln Val Phe Gln
          35             40             45

Thr Ala Trp Pro Ala
          50
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<210> 1037

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<211> 169
<212> PRT
<213> Homo sapiens

<220>
<221> SITE
<222> (6)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (39)
<223> Xaa equals any of the naturally occurring L-amino acids

<220>
<221> SITE
<222> (44)
<223> Xaa equals any of the naturally occurring amino acids

<220>
<221> SITE
<222> (71)
<223> Xaa equals any of the naturally occurring amino acids

<400> 1037
Met Val Thr Phe Ile Xaa Ala Thr Leu Trp Ile Ala Val Phe Ser Tyr
 1             5             10             15

Ile Met Val Trp Leu Val Thr Ile Ile Gly Tyr Thr Leu Gly Ile Pro
          20          25          30

Asp Val Ile Met Gly Ile Xaa Phe Leu Ala Ala Xaa Thr Ser Val Pro
      35          40          45

Asp Cys Met Ala Ser Leu Ile Val Ala Arg Gln Gly Leu Gly Asp Met
      50          55          60

Ala Val Ser Asn Thr Ile Xaa Ser Asn Val Phe Asp Ile Leu Val Gly
      65          70          75          80

Leu Gly Val Pro Trp Gly Leu Gln Thr Met Val Val Asn Tyr Gly Ser
          85          90          95

Thr Val Lys Ile Asn Ser Arg Gly Leu Val Tyr Ser Val Val Leu Leu
      100          105          110

Leu Gly Ser Val Ala Leu Thr Val Leu Gly Ile His Leu Asn Lys Trp
      115          120          125

Arg Leu Asp Arg Lys Leu Gly Val Tyr Val Leu Val Leu Tyr Ala Ile
      130          135          140

Phe Leu Cys Phe Ser Ile Met Ile Glu Phe Asn Val Phe Thr Phe Val
      145          150          155          160

Asn Leu Pro Met Cys Arg Glu Asp Asp
          165

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<210> 1038
 <211> 187
 <212> PRT
 <213> Homo sapiens

<400> 1038

```

Met Val Ala Ala Thr Val Ala Ala Ala Trp Leu Leu Leu Trp Ala Ala
  1           5           10           15

Ala Cys Ala Gln Gln Glu Gln Asp Phe Tyr Asp Phe Lys Ala Val Asn
          20           25           30

Ile Arg Gly Lys Leu Val Ser Leu Glu Lys Tyr Arg Gly Ser Val Ser
      35           40           45

Leu Val Val Asn Val Ala Ser Glu Cys Gly Phe Thr Asp Gln His Tyr
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Arg Ala Leu Gln Gln Leu Gln Arg Asp Leu Gly Pro His His Phe Asn
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Val Leu Ala Phe Pro Cys Asn Gln Phe Gly Gln Gln Glu Pro Asp Ser
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Asn Lys Glu Ile Glu Ser Phe Ala Arg Arg Thr Tyr Ser Val Ser Phe
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Pro Met Phe Ser Lys Ile Ala Val Thr Gly Thr Gly Ala His Pro Ala
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Phe Lys Tyr Leu Ala Gln Thr Ser Gly Lys Glu Pro Thr Trp Asn Phe
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<211> 5755

<212> DNA

<213> Homo sapiens

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<400> 1087

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<210> 1089

<211> 3598

<212> DNA

<213> Homo sapiens

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<212> DNA

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 <223> n equals a,t,g, or c

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 <212> DNA
 <213> Homo sapiens

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 <212> DNA
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 <212> DNA
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 <223> n equals a,t,g, or c

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<212> DNA

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